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## Amoeba sisters carbon and nitrogen cycle worksheet answer key

Scroll down this page under the purple usage form to find the following recently added 2020 themes! Don't forget that the topics are alphabetized! :)Archaea ATP Autotrophs and Heterotrophic Circulation SystemSodium Potassium Pump Immune System Hardy-WeinbergNote: Watch the latest video: CER! We don't have a resource for the CER video yet, but we'll add it here if we do. Ok, friends, we've done a lot of things and this site is massive. You asked if we could help make things more convenient by offering a folder of our free summary handouts. Ta Da! Our Dropbox folder of 44 free PDF handouts [stand NOVEMBER 2020], all of which come from this page!! This is a pure View folder that allows you to download the PDF files. Do you want your students to comment digitally on PDF files with annotations? Info here. Three Things to Know:A) The first PDF file in the folder is reminiscent of Terms of Use AND covers some of the most important questions we receive regarding our free handouts. B) The folder does not contain our alphabetized free summary handouts until November 2020, but you can still scroll down this page to see each alphabetized topic, and we link there to other items such as our comics, GIFs and our TpT resources for each topic on this page. If you've never used our video resources before, we strongly recommend scrolling down this page for topics first, otherwise the folder will be overwhelming. C) We have an unusual model because our videos are free and so are most of our handouts. 43 of these 44 free handouts have official keys that we offer on TpT to support our work, and we offer them individually or in a mega-bundle. (Security is the one we haven't made decisive due to the variety of room layouts, but we were recently asked to create one for a part of it- can come later!) When we started our YouTube channel, it was to host a biology video that we made that we thought was useful. We did more. You never thought we'd ever get close to 1 million YouTube subscribers. But - it looks like, in a few months - we could actually achieve it, y'all!! Maybe April? May? If you want to subscribe to our YouTube channel (what you can do for all YouTube channels you like; it's free to subscribe to), you can be notified when we post a new video. Our videos are all FREE, and we intend to keep it that way. :) Resources are a tool and, like any tool effectiveness, is heavily based on the way it is used. Please read our recommended usage information below for some helpful tips! Annotated video script TEMPLATES What are the summary handouts? FREE and selected summary handouts use video cartoons (drawn by Petunia) to help students connect to the content after watching one of our short videos. They contain questions that can be used as formative assessments to quickly determine what the class needs to focus on. Many questions are open ask students to put concepts in their own words (or drawings). All recap handouts are in a grid format. Suggested summary handout usage ideas: (1) Use 1-2 grid boxes simultaneously as classroom outbound tickets in the last 5 minutes of the course. When they are printed, they all print front & back. Students can hand out handouts when they leave the classroom door. These formative exams can be used to open the discussion the next morning and give feedback - no grade required. The next set of grid boxes can then serve as a series of exit tickets for several days. (2) Project the handout with a projector. As mentioned above, let students fill out 1-2 boxes as a warm-up or exit ticket in class, but have them record their answers on their own paper or on a device they use. (There is a zoom-in feature on Adobe PDF reader so you can zoom in on the handout). Students can organize their answers in their notes, an interactive notebook, and so on, and can also be used daily for discussions. Where can I find the handouts? The COSTLOSen student summary handouts can be downloaded on this page. You need to scroll down about a third of the way down this page under the purple Terms of Use box to see where the topics (alphabetical listing) begin. Click a topic to expand. If the theme offers a free student summary handout, you will see a button that says Recap- Amoeba Sisters PDF. All our COST LOSen resources are hosted on this site; We want to avoid booking our free items twice to other places. Note: Select Summary Handouts are under the TpT column for specific topics on this page -- or see all selected summary handouts here. Selected summaries differ only from the COSTLOSen summaries because they contain their own answer key and typically focus on a more specialized topic. Annotated video script TEMPLATES About and recommended use: Our annotated video script templates contain an informal version of our video script with slight improvements to define sentences and remove stop words to help comment. They have an annotation key asking students to (1) highlight parts of the transcript that they already knew (which can build on it), (2) highlight important information that is new to them, (3) ask their own questions, and (4) underline the vocabulary. The has a spacious right margin for students to sketch concepts that are memorable or relevant to them. It is important to note that these templates are not the same as the video labels that play in real time (available for all our videos on YouTube) as they have been edited for better annotation capability. We also do not suggest that students comment on the template at the same time as watching the video! That would be a pace that could be overwhelming; These are to be used after the students have watched the video. Where can I find them? Linked in this handout handout in addition to certain topics on Teachers Pay Teachers (TpT). You need to scroll down about a third of the way down this page under the purple Terms of Use box to see where the topics (alphabetical listing) begin. Or you can see all the templates together here. P.S. All of our Unlectured Series themes already contain an annotated video script template, as this is an important part of the Unlectured Series Resource. About and recommended use: Our Unlectured Series is an alternative to traditional lectures and notes in the classroom and places more emphasis on discussion, student survey and student creation. All topics of the Unlectured Series include an annotated video script template, a slideshow of question starters with memorable comics/illustrations for discussion in the classroom, and a guide to relief. Each topic has a part dedicated, why is this content important? and an opportunity for students to use their foundation knowledge to create a product. Check out a detailed Q&A about their use and read reviews on our Unlectured page. Where can I find the themes of the Unlectured Series? The topics on this page are linked individually to teachers for pay (TpT) in addition to specific topics, but we recommend that you view our Unlectured page, where they are all grouped. What are video companions? Unlike the summary handouts and video script templates--- to be used only after students have viewed the video--- video companions can be used both during and after watching the video. However, they are only useful during the video if the video is paused. Video attendants often work with our few videos that have a pause function. [In particular, they work with videos asking students to pause the video to think about a question]. Video companions can be similar to questions similar to a summary handout (e.B. the codon chart video companion) or use a script similar to the labeled video script template (e.g. .B the video companion of the review). Recommended use for video companions: We strongly recommend that students access it during the video, but it should be emphasized that they should not be completed while the video is playing unless the pause feature is used [the video suggests when to pause]. Then they can be edited after the video is finished. These make a great end to class activities, which can then be reviewed together as a refresher on the next class day. The review companion is particularly long, as it videos checked so that this would be over a period of several days. Where can I find them? We currently only have two because they are only created if there is a video that specifically uses a pause function, as mentioned above. One of them can be found under the theme category Codon Charts and the other under the topic Review. Our handouts are designed for use in the classroom, and you can use our Here! Please note: Terms of Use prohibit the public posting of answer keys from our handouts as this is a change to our published content (and a disservice to other teachers and students who use them). We offer official Amoeba sisters answer key (linked on this website to teachers numbers teacher- TPT), which also have the same conditions. We allow our images and GIFs to be shared on presentations and social media, provided they are not edited and are not used for financial gain (i.e. our images or GIFs cannot be in/on an item you sell). Learn more about our Terms of Use here. Distance learning and learning? We receive more emails than usual! Check out our page with our frequent questions here. Resources on this page are listed by topic in alphabetical order under the purple usage field ---scroll down only a little more. Would you rather search for suggested sequences? Are you wondering which topic name to search for? Check out our course playlist page! What we offer for free: Our videos are always free! We are working hard to create them; It usually takes a month to publish a video. You can access our full learning playlist here and you can subscribe to our channel to be notified

when we release a new video! Many video themes offer a free student summary PDF handout that you can download and use for all your students that you will find at the bottom of this page. (Please note our Terms of Use, which outline their use as they cannot be sold and answer keys created with them cannot be publicly available online as this makes it difficult for others to use them.) Check out their suggested use in this video. Our GIFs and comics that you use in your presentations, place on websites or share on social media--provided that you follow the Terms of Use (including that they cannot be placed in articles that you sell, and our name cannot be truncated/edited). We think our GIFs and comics can make great discussion starters and do a great job of asking questions about the content! What you will find in the column called On TpT (Teacher Numbers Teacher) on this page for specific topics:We sell official answer keys that correspond to the free website recap PDF handouts. This supports our work. You will find them on this page linked next to individual topics. We have also in bundles that are discounted by the individual purchase. Answer keys provide convenience, and they can also be useful if you are new to the content. As mentioned in product descriptions, please do not buy a key without first ensuring that you have the free corresponding handout from this page, that it goes to it (and that you have determined that the free student handout is an ideal fit for your classroom). We sell a few Select Recap handouts that come with their own answer keys. You will find linked (but not uploaded) on this page. Like our regular free gout, they are styled in grid format for the use of exit tickets, but they tend to cover more detailed/less standard topics. For example, water properties and endosymbiotic theory have selected handouts (with accompanying keys). We sell annotated video script templates for some videos. You can find this linked (but not uploaded) on this page. The template provides students with the ability to sketch, identify key points, identify important vocabulary, and ask their own questions. Our script is edited on these templates to make them easier to comment on. P. S. All our Unlectured Series themes already contain a video script template with them, as this is an important part of the Unlectured Series Resource.Our Unlectured Series! The Unlectured Series is an alternative to traditional lectures/notes and promotes the questioning, discussion and creation of students. In total, there are 18 themes in our complete first series, which are individually linked on this page. We also have them all available together in our 18-themed bundle. What is TpT? Teachers Pay Teachers (TpT) allows teachers to support themselves financially for their work, which allows us to continue our creation! TpT contains all kinds of amazing resources (in all content areas PK-12!) created by many who are or were in the classroom. Although we plan to always have free resources available (and of course our videos are always free), as this is part of our mission, we appreciate the support of those who buy items that we offer exclusively on TpT. So I need a TpT account to buy items on TpT? Yes, you need an account to access the resource at any time. It is free to make an account on TpT. Here's her general login page for a personal account: [www.teacherspayteachers.com/Signup](http://www.teacherspayteachers.com/Signup)Can my school create a TpT account? Or do you use orders? Check out the new TpT for schools. This allows schools to buy items they need from a place for their teachers, and it works well with school orders. Even if your school does not have a TpT for Schools account, it is possible to buy something on TPT with a school order. Can I only get a mega bundle of everything you have on TpT? We have now been asked more often, and we know that some TpT creators are able to offer this. The problem we have is that (A) we always actively create and (B) we want to avoid forming a growing bundle because we never know how many we will continue to create. So, taking into account this above, here are the options we have regarding the issue of a mega bundle:Option 1) We have a Mega TpT bundle for all resources up to a certain date. Option 2) Contact us and let us know any items you need as in a custom bundle. No, not all of our videos have an accompanying resource. This usually happens when we have a new video and haven't completed an accompanying resource yet. Since a video that has no resource is not on this handout page, please select our complete video playlist to access all our videos. You can subscribe to our YouTube channel to be notified when we post new videos. Our videos and resources are specifically designed to focus on and support the scientific TEKS (Texas Standards), but there are often standard overlaps in many locations. You will find TEKS listed on this page, if applicable. We have started recording NGSS that can be supported by our video themes. However, we would like to stress that our videos and resources cannot contain a standard, as we believe that a strong laboratory base, student surveys and discussions in the course are critical to the full compliance with scientific standards. Our goal is to complement our videos and resources to support the standards that students master. Check out our site on this one here! If these handouts are used in class as quick formative exams, you can (1) ensure that the answers you receive come from the student who handed them to you, (2) you can help students with the just-in-time support they need, and (3) you can customize the lesson based on read responses. They can also be integrated into the class discussion. We think it is very important to bring this to the attention of the public, even though we have not yet received this issue. We want to show students that we all make mistakes and that it is important not only to fix them--- but also to grow out of them. We strive to be lifelong learners and share our learning like this (on Twitter) or this (on Twitter)! We have occasionally encountered typos or grammar errors. Sometimes we get helpful feedback for a video that we should add clarification or that something has been said wrong. Textbooks have methods to treat errata, and as edutubers we have also looked for ways to deal with it. Here you will find some information about how we deal with different types of these problems in our videos. With respect to our handouts/resources---if it is a free resource, we can make edits on this page. If it's on TpT, we can update it right there. If there is more than one small typo on TpT, we can send a note to all TpT buyers to let them know why we've done an edit. We've created so many comics and GIFs now on so many of our video themes, and we think they're so powerful in the classroom. Take our comic here about an enzyme (one of our many enzyme comics). Just think of the power to project this onto a canvas and the questions that could be asked, how this relates to the subject to be investigated. Or, better yet, ask students to ask themselves the questions. Questions such as: How is this in terms of our content? What environmental conditions could an enzyme actually denature? If this were a reality, would all enzyme customers have the same request? These are just a few examples, and these possibilities are of course integrated into our Unlectured series! We share our individual comics and GIFs to start discussions like this, and please don't hesitate to use them--- provided you follow our Terms of Use. As creators, we hope to continue to get better, which means that we repeat videos as our art and audio improve. However, we try to avoid deleting old videos or resources because we want students to see this journey. We think it's important for students to know that everyone starts as a beginner! When we repeat a video, we usually place the newer video link on this page and then keep a link to the old video. Old handouts can still be used with new videos as we make sure our new videos still contain the previous information. Occasionally we will update old video handout graphics, but we've found that this seems to create confusion, making us less likely to change old handouts. Our videos are FREE! Subscribing to our channel is also free and would make us happy! Please subscribe to our YouTube channel? As a reminder, terms of use prohibit the public posting of answer keys that come from our handouts. This is an edit of our copyrighted work (and a disservice to teachers and students who use it). Scroll alphabetically, but not sure if you're looking for the same topic name we use? Check out our course playlist page for support \*Texas Teacher: Contains material in streamlined biology TREATED TEKS B.6F.\* Video can support components of NGSS HS-LS3-1. Alleles and Genes Recap - Amoeba Sisters PDFFile Size: 441 kbFileType: pdfDownload File Answer Key to Alleles and Genes recap. This helps us create! For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. Note: We haven't created a free handout on this topic. ATP Recap- Amoeba Sisters PDF.pdfFile size: 549 kbFileType: pdfDownload file You can find ATP mentioned in many of our comics and GIFs! Find ATP mentioned in our Mitochondrion GIF and Cell Transport GIF on our GIFs page! Answer key to the ATP summary. This helps us create! \*Texas teacher: Material in rationalized biology TEKS B.10C, Optimized 6th class TEKS 6.12E + 6.12F, and 7th class TEKS 7.12C.\* Video can support components of NGSS HS-LS1-2. Biological levels of the organization Recap- Amoeba Sisters PDFFile Size: 305 kbFileType Type: pdfDownload File Also, check our biological levels of organization GIF on our GIF page! \*Texas Teacher: Contains material treated in streamlined biology TEKS B.9A.\* video can support support NGSS HS-LS1-6. Biomolecules V.2 Recap - Amoeba Sisters PDFFile Size: 561 kbFileType: pdfDownload File Also, check out our Biomolecules Comics and GIFs! Answer Key to biomolecule summary. This helps us create! Theme is part of our Unlectured Series! \*Texas Teacher: Contains material in streamlined biology TEKS B.10A and 7th grade science TEKS 7.12B.\* Video can support components of NGSS HS-LS1-2. Body Systems Recap - Amoeba Sisters PDFFileSize: 536 kbFileType Type: pdfDownload File Also, check out our body systems comics! Answer Key to Body Systems Recapitulation. This helps us create! Theme is part of our Unlectured Series! \*Texas Teacher: Contains material in streamlined biology TEKS B.4A and 6th grade TEKS 6.12A and 6.12B + 7th grade TEKS 7.12D and 7.12F Intro to Cells Recap- Amoeba Sisters PDFFile Size: 715 kbFileType: pdfFile Download Also, check out our cell comics and GIFs! Answer Key to The Intro to Cells recap. This helps us create! Theme is part of our Unlectured Series! \*Texas Teacher: Contains material covered in rationalized biology TEKS B.5A and B.5C. Check out our cell cycle GIF! Note: We haven't created a free handout on this topic, but we offer resources to purchase on TpT. Check out our annotated video script TEMPLATE, which provides students with space to comment, outline their learning, identify vocabulary and ask their own questions. [NOTE: You can buy it separately above or it comes as part of the Unlectured series below]. Theme is part of our Unlectured Series! \*Texas Teacher: Contains material that can support streamlined biology TEKS B.4B. However, our cell transport video will actually cover transport components. \*Video can support components of NGSS-LS1-2. Check out our cell membrane comics. Note: We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. Check out our annotated video script TEMPLATE for this topic. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. Check out our Liganden-Comic! Note: We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. Check out our annotated video script TEMPLATE for this topic. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.4B. Cell Transport Recap - Amoeba Sisters PDFFile Size: 600 kbFileType: File answer key to cell transport. This helps us create! Theme is part of our Unlectured Series! For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. Note: We have a free handout on this topic. Check out our Karyotype GIF on our GIF page! Note: We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. For this video we offer one with annotations of video script TEMPLATE. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*Texas Teacher: Contains material covered in biology TEKS B.5A and B.6G. Chromosome Numbers Recap- Amoeba SistersFile size: 668 kbFileType: pdfDownload file We also have two helpful GIFs under Mitosis and Meiosis on our GIF page that show the number of chromosomes during these processes. Answer key to recapitulate chromosome numbers. This helps us create! Free video resources Choose theme summary and key: selected summary handouts are styled like our free summary handouts, but they tend to deal with more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! How to Make a Codon Chart Video Companion - Amoeba Sisters PDFFile Size: 554 kbFileType Type: pdfDownload File Note: This is a video companion handout instead of a summary handout. What is the difference? The proposed use and purpose is a little different. Check out more information at the top of our page where we talk about recommended use. Amoeba Sisters Terms of Use Reminder: Terms of Use prohibit the public posting of answer keys from our handouts. This is an edit of our copyrighted work (and a disservice to teachers and students who use it). Scroll alphabetically, but not sure if you're looking for the same topic name we use? Check out our course playlist page for support! \*Texas Teacher: Contains material covered in rationalized biology TEKS B.8B and 7th grade science TEK 7.11A. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.6F. Dihybrid Crosses Recap - Amoeba Sisters PDFFile Size: 531 kbFileType: pdfDownload File View our slide GIF, which can be helpful for Dihybrid crosses! Answer Key to Dihybrid Crosses recap. This helps us create! Video has been updated! The script is very similar to the script in the original video, but the new version has improved The Art and audio! Both videos remain on top!\*Texas Teacher: Contains material in streamlined biology in TEKS B.5A.\*Video can contain components of HS-LS1-4. \*Texas Teacher: Contains material in streamlined biology TEKS B.6C.\* Video can support components of NGSS HS-LS3-1. NOTE: We don't always update old handouts when we update a video, but we have decided to update this handout! It is very similar, but with updated drawings and a few additional questions. Updated handout is below, and just like the old handout, it focuses on two videos. The front (1st page) side) on the DNA vs. RNA video and the back (2nd page) focuses on the protein synthesis video. UPDATE DNA vs RNA and Protein Synthesis Recap - Amoeba Sisters PDFFile Size: 445 kbFileType Type: pdfDownload file prefer old handouts? Click Expand \*Note: Handout covers 2 separate videos. Front (1st page) focuses on DNA vs. RNA Video & Back (2nd page) on protein synthesis video. OLD DNA vs. RNA and Protein Synthesis Recap - Amoeba Sisters PDFFile Size: 647 kbFileType Type: pdfDownload File Check out our DNA vs. RNA comic and RNA types GIF! Answer key to DNA vs. RNA and protein synthesis recap. Note: We have updated this to include both keys ---one to the original (old) student summary and one in the new (updated) student summary. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.12A. Includes material included in optimized 8th class TEKS 8.11A. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.11B. Also contains material covered in streamlined 7.10C 7.10C 7th class. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.4A. Check out our endosymbiotic theory comic! Note: We have not created any free handouts on this topic, but we offer a resource to purchase on TpT. Select Topic Recap and Key: select Summary Handouts are styled like our free summary handouts, but they tend to handle more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! \*Texas Teacher: Contains material covered in rationalized biology TEKS B.9C. \*This addresses an advanced topic of how cells can produce aP even with limited oxygen in a containing state. Check out our fermentation comics! Note: We have not created free handouts for fermentation, but we offer a resource to buy on TpT. Select Topic Recap and Key: Select Summary Handouts are styled as our free summary handouts, but they tend to cover more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! \*Texas Teacher: Contains material in streamlined biology TEKS B.12C and 7th grade science TEK 7.10B.\* Video can support components of NGSS HS-LS2-4. Check out our related comics and gel electrophoresis GIF! We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. Choose theme summary and key: Select summary handouts are styled like our regular free summary handouts, but they tend to handle more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! \*Texas Teacher: Contains material covered optimized biology TEKS B.6D. Check out our Gene Regulation GIF! Note: We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.7F. \*Video can support components of NGSS HS-LS4-2, HS-LS4-3, HS-LS4-4. Genetic Drift Recap - Amoeba Sisters PDFFile Size: 580 kbFileType Type: pdfDownload File Answer Key to Genetic Drift recap. This helps us create! Theme is part of our Unlectured Series! Amoeba Sisters Terms of Use Reminder: Terms of Use prohibit the public posting of answer keys from our handouts. This is an edit of our copyrighted work (and a disservice to teachers and students who use it). Scroll alphabetically, but not sure if you're looking for the same topic name we use? Check out our course playlist page for support! \*Texas Teacher: Contains material in streamlined biology TREATED TEKS B.4B.\*Video can support components of NGSS HS-LS1-3. Check out our comic for positive and negative feedback! Select Topic Summary and Key: Selected summary handouts are styled just like our regular free summary handouts, but typically cover more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! Free video resources With the processes in this video, we find this a great topic for our annotated video script TEMPLATE. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.6F. Check out our incomplete dominance/codominance illustration. Note: We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. Choose theme summary and key: Select summary handouts are styled like our regular free summary handouts, but they tend to handle more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that select (with accompanying keys). This supports our work! \*Texas Teacher: Contains material in streamlined biology TREATED TEKS B.6G.\*Video can support components of NGSS-LS3-2. \*Texas Teacher: Contains material in streamlined biology TREATED TEKS B.5A.\*Video can support components of NGSS HS-LS1-4. Mitosis Recap- Amoeba Sisters PDFFile Size: 2968 kbFileType Type: pdfDownload File Check out our cell division comics (don't forget to meet 'previous' under the lower comic to see them all) and our Mitose GIFs! Answer Key to Mitosis Recapitulation. This helps to our creation! Theme is part of our Unlectured Series! \*Texas Teacher: Contains material in streamlined biology TEKS B.5A and B.6G.\* video can support components of NGSS HS-LS1-4 and NGSS-LS3-2. Choose handouts and keys: Selected summaryhandlists are styled like our regular free summary handouts, but they tend to cover more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! \*Texas Teacher: Contains material in streamlined biology TEKS B.6F This video has been updated! [Do you prefer the old video? It will stay on top!] \*Texas Teacher: Contains material covered in rationalized biology TEKS B.6E. NOTE: We don't always update old handouts when we update a video, but we have decided to update this handout! It is very similar, but with updated drawings and a few additional questions. Updated handout is below. Old handout remains available under the new one. UPDATED Mutations Recap by Amoeba Sisters - Amoeba Sisters PDFFile Size: 469 kbFileType Type: pdfDownload File prefer Old handout? Click here to expand. OLD Mutations Recap - Amoeba Sisters PDFFile Size: 602 kbFileType Type: pdfDownload File View our MutationGraphics and GIFs! Answer Key to Mutations Recapitulation. Note: We have updated this to include both keys ---one to the original (old) student summary and one in the new (updated) student summary. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.7C, B.7D and B.7E. \*Video can support components of NGSS HS-LS4-2, HS-LS4-3, HS-LS4-4. P.S. The video above is an intro to science video. Science helps develop scientific theories and laws. But we know that many students have a misunderstanding that scientific theories turn into laws with enough evidence, or that a scientific theory is just a theory. We have a separate video that can help with these misunderstandings - scroll down under the topic theories. Nature of Science Recap- Amoeba Sisters PDFFile Size: 384 kbFileType Type: pdfDownload File Check out our nature of science related illustrations, including this infocomic that mentions experimental design vocab. Answer Key to the Nature of Science recap. This helps us create! We license some of our art in our Redbubble Store. On request we have a poster version on Redbubble of our casual vs. Use of the word theory comic. Amoeba Sisters Terms of Use Reminder: Terms of Use prohibit the public posting of answer keys from our handouts. This is an edit of our copyrighted work (and a disservice to teachers and students who use it). Scroll alphabetically, but not sure if you're looking for the same topic name we use? Check out our course playlist page for support! \*Texas Teacher: Contains material covered in rationalized biology TEKS B.4B. Check out our PCR GIF (You will on our GIF page) next to the gel electrophoresis GIF! We haven't created a handout for this video yet; we hope that something will be created in early 2021! \*Texas Teacher: This is an advanced biology concept, but it overlaps with material covered in biology TEKS B.6F. \*Texas Teacher: Contains material covered in streamlined biology TEKS B.9B and builds on 7th grade science TEKS 7.5A.\*Video can support components of NGSS HS-LS1-5. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.10B. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.10B. Check out our many plant comics! Don't forget to beat previous ones under the last displayed comic to see more. Note: We haven't created a free handout on this topic, but we offer a resource to purchase on TpT. For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. Note: These concepts are already covered in our Cells video and our resources - but this shorter video isolates prokaryotic vs. eukaryotic cells. \*Texas Teacher: Contains material covered in rationalized biology TEKS B.4A and 6th grade TEKS 6.12B and 6.12D. Prokaryotic vs. Eukaryotic Cells Recap- Amoeba Sisters PDFFile Size: 370 kbFileType Type: pdfDownload File We have many cell comics, but this is one of our favorites on this topic. Also check out our prokaryotic vs eukaryotic cell GIF! I'm looking for your old video called Prokaryotes and Eukaryotes and old handout? Click here to access our old video Prokaryotes and Eukaryotes! It will stay on top. Below is also our old handout. Note: As mentioned in the product description, the offered key on TpT goes to the new handout. There is no active key to this old handout. OLD Prokaryote / Eukaryote Recap - Amoeba Sisters PDFFileSize: 437 kbFileType: pdfDownload File Answer key to Prokaryotic vs. Eukaryotic Cells. This supports our creation! Choose Topic Summary and Keys: Selected summary handouts are styled just like our regular free summaryhandlists, but they tend to cover more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). Theme is part of our Unlectured Series! Check out our protein structure GIF! Note: We haven't created a free handout on this topic, but we offer a free handout on this topic. For purchase on TpT. For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*Texas Teacher: Contains material in streamlined biology TEKS B.6C.\* Video can support components of NGSS HS-LS3-1. P.S. Did you know that we just made a short video in which you can read a codon diagram? To find it, find under the theme on this page Codon Charts. :) NOTE: We don't always update old handouts when we update a video, but we have decided to update this handout! It is very similar, but with updated drawings and a few additional questions. Updated handout is below, and just like the old handout, it focuses on two videos. The front (1st page) focuses on the DNA vs. RNA video and the back (2nd page) focuses on the protein synthesis video. UPDATE DNA vs RNA and Protein Synthesis Recap - Amoeba Sisters PDFFile Size: 445 kbFileType Type: pdfDownload file prefer old handouts? Click here to expand. OLD DNA vs. RNA and Protein Synthesis Recap - Amoeba Sisters PDFFile Size: 647 kbFileType Type: pdfDownload File \*Note: Handout covers 2 separate videos. Front (1st page) focuses on DNA vs. RNA Video & Back (2nd page) on protein synthesis video. Even the old protein synthesis video still exists if desired. Check out our protein synthesis comics and GIFs! Theme is part of our Unlectured Series! \*Texas Teacher: This is slumbered short by concepts in 37 of our playlist videos. We chose these videos because they have concepts that support many of the biology TEKS. A video companion for students is available on TPT here! This video companion follows our video Stroll Through the Playlist (a Biology Review). We license some of our art for our Redbubble Store. See our study tip poster here. Amoeba Sisters Terms of Use Reminder: Terms of Use prohibit the public posting of answer keys from our handouts. This is an edit of our copyrighted work (and a disservice to teachers and students who use it). \*Texas Teacher: This can correlate with many process TEKS related to science laboratory safety. Lab Safety Recap- Amoeba Sisters PDFFile Size: 395 kbFileType Type: pdfDownload File Check out our lab security reminders comic here we license some of our art for our Redbubble Store. See our laboratory safety posters here. \*Texas Teacher: Contains material in streamlined biology TEKS B.6F Check our sodium potassium GIF! The video mentions how the electrochemical gradients of sodium and potassium (obtained by the sodium potassium pump) can be used by other proteins. Check out our Protein Transporters graphic! For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*Texas Teacher: Contains material in Biology TEKS B.5B. For this video we offer our video script TEMPLATE, which has been described with annotations. Our template provides students with space to comment on, sketch, identify vocabulary and ask their own questions. \*This video can support components of NGSS HS-LS1-1. Select Topic Summary and Key: Selected summary handouts are styled just like our regular free summary handouts, but typically cover more detailed/less standard topics. For Water properties, endosymbiotic theory and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! \*Video can support components of NGSS HS-LS4-5. Select Topic Summary and Key: Selected summary handouts are styled just like our regular free summary handouts, but typically cover more detailed/less standard topics. For example, water properties, endosymbiotic theory, and non-mendelian inheritance are topics that have selected handouts (with accompanying keys). This supports our work! Note: We are concerned about the increase in vaccine-preventable diseases in our region. The video details for this video contain links for further reading suggestions from multiple peer review sources that can help address the many myths that exist about vaccines. Although we don't have any handouts on this topic at this time, check out our accompanying illustration! \*Texas Teacher: Contains material covered in rationalized biology TEKS B.4C. Viruses Recap- Amoeba Sisters PDFFile Size: 436 kbFileType: pdfDownload File Check out our many virus comics (don't forget, click on previous one in the last comic to see them all) and our virus replication GIF! Didn't you have an old video and handout on this subject? Yes, here is the link to our old video. The old handout is below. We do not offer a key for this old handout. OLD Virus Recap - Amoeba SistersFile size: 679 kbFileType: pdfDownload file answer key to virus recap. This helps us create! Theme is part of our Unlectured Series! P.S. Click above graphic to see our blog post on this topic. While these absolute statements do not seem to include edu videos on YouTube (yet), we believe that the effectiveness of edu videos ALSO depends on how they are used, so we made a video with some suggestions! Proposals!

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