



Name: _____

Fundamentals of Earth Science: **Week 23 HOMEWORK CHECKLIST**

All Grades

Due on March 30th

There will not be a reading lesson this week due to the online reading references and videos included in several assignments below.

_____ **(1 point) Solar System Map Activity (FOR A COMPLETION GRADE)**

This activity was started in class when discussing the “space junk” that’s found in the Asteroid belt, Kuiper belt, and Oort Cloud. Complete the map by following the step-by-step instructions on page 125 of your lab notebook. Read each item and check it off on the list when you have added it to the map. When the map is completed, fold in half and glue onto page 124 of your lab notebook so that it folds out. I will be checking them in class next week.

_____ **(2 points) Videos for Reinforcement and Review: What Else is in Our Solar System?**

Where Does the Solar System End?-Oort Cloud (Space Place): <https://www.youtube.com/watch?v=zhb43Ebnvpl>

Asteroid Belt and Kuiper Belt (MooMooMath): <https://www.youtube.com/watch?v=fBkOVqr-4-U>

_____ **(8 points) Facts About the Inner and Outer Planets (FOR A COMPLETION GRADE)**

On page 126 and 127 of your lab notebook you will find sheets to fill out with facts about the eight planets in our solar system. Read the characteristics listed at the top of each page for the inner and outer planets first. Then use the weblink below to research each planet and list its most unique facts in the space provided. The weblink will take you to the page on Mercury first but you can click on each of the planets along the right-hand side of the page to access their information. **Third graders list two facts for each planet. Fourth graders list three facts for each. Fifth graders list four facts for each and sixth graders list five facts for each.** Each planet’s order in the solar system will NOT count as a fact so look for something that is more unique to each one! **You will share what you have learned briefly in class next week.**

Space Place info on planets—weblink: <https://spaceplace.nasa.gov/all-about-mercury/en/>

_____ **(4 points) Space Junk**

After watching the videos below on different kinds of “space junk”—comets, asteroids, meteoroids, meteors, and meteorites, record what you’ve learned on page 130 of your lab notebook. Draw a line from each picture already on page 130 and tell what each of them are and anything else interesting that you have learned. *Explain what a shooting star actually is somewhere on the page.*

Meteors (Dr. Binocs): <https://www.youtube.com/watch?v=O4QrnC9vLs8>

What’s a Meteor Shower? (SciShowKids): <https://www.youtube.com/watch?v=F4xavj2hqSU>

Comets & Asteroids (SciShowKids): <https://www.youtube.com/watch?v=02wrlS-ue1Q>

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_____ **(3 points) Dwarf Planets**

Watch the two videos below, then record what you've learned about Pluto and the other dwarf planets on pages 128 and 129 of your lab notebook. Be sure to include sketches or pictures of each one. Also, answer the question on page 129 about why Pluto is not considered a planet anymore. There is one main reason (hint: it has to do with its orbital path). OPTIONAL videos will be listed on the class webpage if you would like to dig deeper into the dwarf planets.

Meet the Dwarf Planets (SciShowKids): <https://www.youtube.com/watch?v=evlsmxM5c7o>

Why Isn't Pluto a Planet Anymore? Planet vs. Dwarf Planet (FreeSchool): <https://www.youtube.com/watch?v=KQyJOG9MMX8>

_____ **(5 points) All About Comets (FOR A COMPLETION GRADE)**

Watch the two videos below and read about comets on the two weblinks THEN create a page telling about comets on page 131 of your lab notebook. Be sure to include a sketch of a comet explaining its different parts (nucleus, coma, and tails). The weblink marked with the asterisk will have a diagram of a comet with its labeled parts. **You will share your created page with the class next week.**

Comets (Dr. Binocs): <https://www.youtube.com/watch?v=-6nYgel4Jl>

All About Comets (FreeSchool): <https://www.youtube.com/watch?v=mQErMYDfw0Y>

*** What's in the Heart of a Comet?-Weblink:** <https://spaceplace.nasa.gov/comet-nucleus/en/>

All About Comets-Weblink: <https://spaceplace.nasa.gov/comet-quest/en/>

_____ **(2 points) SHARE Science Astronaut Training Program—Sleep Like An Astronaut Badge**

Sleeping is quite different in space because of weightlessness! Although there is no way for you to recreate the scenario of floating while sleeping there are other things for you to try to get some sense of how sleeping in space is different. You get to decide how to set up your sleep simulation! Follow the instructions on the lab sheet located on page 132 of your lab notebook. Record what you did for your space sleep simulation on page 133 of your lab notebook.

Parent Signature: _____

Homework Completion Grade _____/25 points