



Name: _____

Fundamentals of Earth Science: **Week 20 HOMEWORK CHECKLIST**

5th & 6th Grade

Due on February 23rd

_____ **(1 point) Read Lesson 19/20: Astronomy—What’s the BIG Deal?**

The reading lesson is posted in the pdf section at the bottom of this week’s summary. As you carefully read, neatly highlight or underline the main points in the lesson. This is a study skill that will help you connect with what you are reading and help you to retain the information. ****The lesson is numbered 19/20 since a reading lesson was not given last week.**

_____ **(2 points) Videos for Reinforcement and Review: Galaxies**

What is a Galaxy?: <https://www.youtube.com/watch?v=aNpjckf8DhQ>

The Milky Way for Children (FreeSchool): <https://www.youtube.com/watch?v=RubnGwhcT6E>

_____ **(2 points) RECORD What You’ve Learned About Galaxies**

Record what you have learned about galaxies on pages 108 & 109 in your lab notebook. **Fifth graders record four facts about galaxies and 6th graders record four facts about galaxies.** **Questions to consider:** What is a galaxy made of? What holds it all together? What are the three main different galaxy shapes? What is the Milky Way? What is the most interesting thing you learned about galaxies? Sketch the main galaxy shapes. We will add more to these pages when we meet in person next week.

_____ **(1 point) View Photos Taken by the Hubble Space Telescope**

Spend a moment looking through the many pictures taken by the Hubble Space Telescope, especially of the different shaped galaxies. You will learn more about space telescopes next week.

NASA: https://www.nasa.gov/mission_pages/hubble/multimedia/index.html

_____ **(2 points) What is a Light Year?**

Watch the video and read from the NASA Space Place website link. We will talk more about what a light year is next week and you will get a handout for page 107 of your lab notebook.

Our Milky Way Galaxy in Light Years (NASA): https://www.youtube.com/watch?v=MX3PIkbTQwQ&feature=emb_logo

Website—What is a Light Year (NASA): <https://spaceplace.nasa.gov/light-year/en/>

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_____ (2 points) **WATCH the Mars Perseverance Rover Landing THIS THURSDAY at 2:55 pm**

NASA has graciously timed the landing of their newest Mars Rover with our study of astronomy! HA! Just kidding, but I love the timing! Although we have not started studying the planets yet, this is not something to miss. The Perseverance Rover was launched on July 30, 2020 and after seven months of travel, it is supposed to land on the surface of the planet Mars **at 2:55 p.m. CT this Thursday, February 18th**. NASA will begin coverage of the live landing broadcast at 1:15 p.m. CT. If you are unable to watch it live, then watch a recording of the landing. Make it a Mars party! If weather permits getting out of your house, Krispy Kreme will have a limited edition Mars doughnut just on Thursday in honor of the landing. **Watch the video below NOW, then watch the landing on Thursday**. Options of how to view it live will be listed on the class summary webpage.

***7 Minutes to Mars—NASA's Perseverance Rover Landing:** https://www.youtube.com/watch?list=PLTiv_XWHnOZqCrMU2ppcLjRn1zIDkNx3q&v=M4tdMR5HLtg&feature=emb_logo

_____ (2 points) **RECORD what you've learned: Mars Perseverance Rover Landing: FOR A GRADE**

On pages 110 & 111 of your lab notebook, record what you learned about the Mars Perseverance Rover as you watched the coverage of its landing. First of all, did it make a safe landing? **Some options of things to record:** When was it launched?, How big is it?, What does it look like?, What is the main mission of the Perseverance Rover?, What is the Mars helicopter?, What is the seven minutes of terror? You can print out coloring pages provided in the links on the class summary page or sketch/print out a picture of your own. This is a historic event so think of it as recording a piece of history! **5th graders record at least 4 facts and 6th graders record at least 5 facts.**

_____ (OPTIONAL ACTIVITY) **Make a Pinwheel Galaxy of M101**

First, read the information in the blue bar to the right of the craft instructions. Here you will find pictures taken by space telescopes of the actual M101 Pinwheel Galaxy. Next, print out the PDF of the pinwheel galaxy craft and follow the instructions to make it. **Make a Pinwheel Galaxy Pinwheel:** <https://spaceplace.nasa.gov/pinwheel-galaxy/en/>

Parent Signature: _____

Homework Completion Grade _____/12 points