

Chapter 8 –Activity

Solar System Formation

This activity asks you to explore how planet formation is connected to star formation. The purpose of this activity is to give you an opportunity to use your intuition and logic to make deductions about what might happen next to the matter that is left over after a star has formed.

**First Activity** Watch the first video 🡪  [**HERE**](http://tinyurl.com/y946dluc)

**Second Activity** – Using Chapter 8 Notes/PPT and the following website 🡪 [**HERE**](http://tinyurl.com/gtyb2cm)

Think about the following questions as you review chapter 8 and go the website.

***What were the factors working against life forming on the early Earth?***

***Should we be surprised that life formed here at all? Explain why or why not***

Submit your answer to the above questions 🡪 [HERE](http://tinyurl.com/y7e8kdbm)

**Third Activity**

The formation of the Earth roughly 4.6 billion years ago was a violent process. Scientists are continually learning more about planet formation in our Solar System as well as in other solar systems. You can join in this process by searching for news stories about solar systems or exoplanets. Record your sources and some of the details about what you discover. Check out [Newsela.com](https://newsela.com/text-sets/12034) for great articles, or look at [the Pinterest board Newsela set up on this topic](http://www.pinterest.com/newsela/big-history-project-unit-4-earth-and-solar-system/).

Here are some other places to get started with your research:

Oldest Objects in Solar System Indicate a Turbulent Beginning

[Modeling Jupiter and Saturn’s Possible Origins](http://www.sciencedaily.com/releases/2013/03/130305174637.htm)

[Our Solar System Is Not Quite as Special as Once Believed, New Research Suggests](https://www.sciencedaily.com/releases/2012/11/121102151950.htm)[NASA Lunar Scientists Develop New Theory on Earth and Moon Formation](http://www.nasa.gov/topics/solarsystem/features/moon_formation.html)[Found! First Earth-Size Planet That Could Support Life](http://www.space.com/25530-earthsize-exoplanet-kepler-186f-habitable-discovery.html)

[Modern Plate Tectonics Arose 3.2 Billion Years Ago](http://sciencenordic.com/modern-plate-tectonics-arose-32-billion-years-ago)

## [In Chalk up](http://tinyurl.com/y9an4rmw) – Answer the following questions

**1.** Post a link to the article that you found most interesting.

**2.** List one way that the article(s) connects to today’s lesson

**3**. Comment on someone else’s link, adding another way that their article connects to today’s lesson

Be sure to check back later to see if anyone commented on your post!