**Why is the Earth hot inside???**

**ESS Lanik**

 Please follow [this link](http://earthsky.org/earth/what-is-the-source-of-the-heat-in-the-earths-interior) to an article from the journal *EarthSky* entitled “*What is the Source of heat in Earth’s interior?*” With a classmate, please take turns reading the article aloud to each other, and then respond to the questions below.

According to the article, what are the two reasons that our Earth’s insides are hot?

What is the temperature inside the Earth?

How does the amount of heat generated within the Earth compare to the amount of heat energy that the Earth receives from the Sun?

Explain why the Earth heated up when it formed.

Develop and state a hypothesis that explains what the author of the article meant with the following sentence: “*Without this process of radioactive decay, there would be fewer volcanoes and earthquakes – and less building of Earth’s vast mountain ranges*.” How does radioactive decay deep inside the Earth impact the Earth’s surface???