

Name:.....

**Ex: Fill in the blank. NO MORE THAN TWO WORDS.**

**Section 4.**

You will hear part of a lecture about people living near active (1).....

All right now. Since we are talking this week about volcanoes, I thought it might be interesting to step away a bit from the (2)..... analysis and look at what it would be like to live near an active volcano. It seems quite strange that someone would choose to live near something that could erupt at any time, right? Well, there are actually some (3)..... to building a home near a volcano, and these advantages reveal a lot about how volcanoes impact the local environment.

One benefit of living near a volcano is that you have unlimited (4)..... energy.

Geothermal energy, as you may know, is energy that is generated and stored in the (5)..... Heat that naturally occurs in the Earth's crust can be converted into energy that can be used for (6)..... This energy is harnessed by utilizing the underground steam that has been heated by the Earth's magma. This steam drives turbines in geothermal (7)..... to produce electricity.

It's a clean and sustainable form of energy, so countries with a lot of volcanoes take advantage of this. Look at, for example, Iceland. About 66% of its energy comes from these steam-powered turbines. In fact, only 0.1% of all energy in the nation comes from (8).....

So, not only can we harness energy from volcanoes, but there's also some of the most (9)..... soil in the world around volcanoes. You see, when a volcano erupts, it throws out ash. At first that ash can do some damage to nearby flora, fauna, and humans as well. But in the long term, the ash layer that accumulates on the Earth's surface is converted into a very (10)..... because the ash is loaded with minerals. So people who live off the land near volcanoes have abundant (11)..... production, prompting them to return even after serious eruptions.

And lastly, volcanoes help to create lots of (12)..... Think about Hawaii. What is on the top of the list of attractions to do while on the islands? That's right... visiting a volcano. And there are often other natural wonders around that are created by volcanoes: hot springs, geysers, and interesting (13)....., just to name a few. These tourists need places to stay and eat and tour guides to show them around. And have I mentioned that tourists love to shop? So, living near a volcano practically guarantees that you'll be able to (14)..... That's why there are generally large populations living..