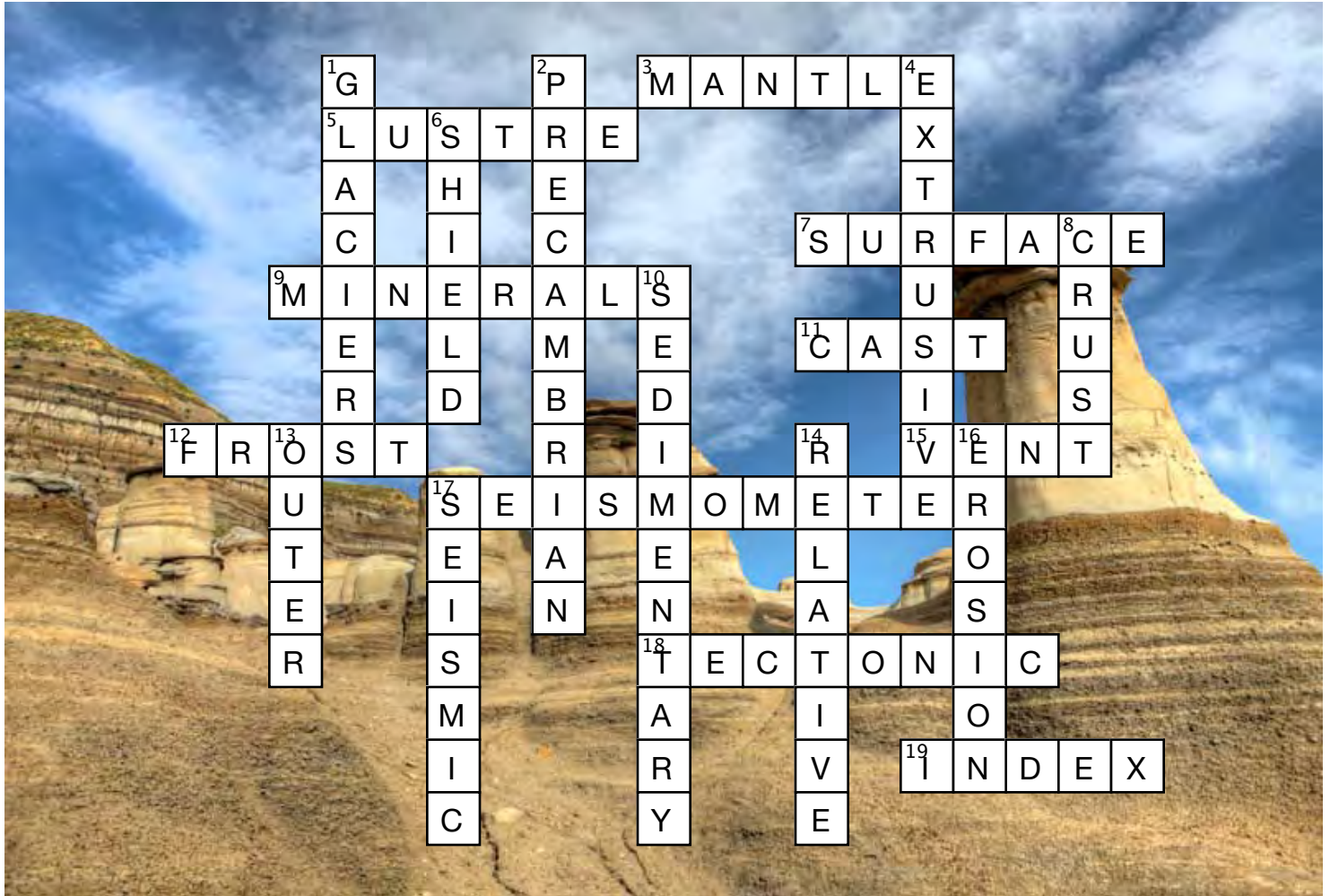


Unit E - Planet Earth Review

Science 7
ADLC



Across

3. Geologists think that hot spots such as that under the Hawaiian Islands are caused by _____ plumes of magma that rise from deep below the crust. [MANTLE]
5. _____ is how light reflects from the surface of a mineral. [LUSTRE]
7. The _____ waves from an earthquake are the slowest but most destructive type of seismic wave. [SURFACE]
9. All rocks are made of one or more _____. [MINERALS]
11. A _____ fossil forms when an imprint of an organism is left in sediments and the imprint fills with a different sediment. [CAST]
12. _____ causes the most mechanical weathering on hoodoos as water in the rock freezes and expands. [FROST]
15. The magma under a volcano moves to the surface through a channel called a chimney, or _____. [VENT]
17. Geologists use a _____, sometimes known as a seismograph, to measure the strength and location of earthquakes and other Earth tremors. [SEISMOMETER]
18. Earth's crust is made of _____ plates that are moving slowly and interacting with each other. [TECTONIC]
19. A trilobite is an important example of a(n) _____ fossil because a paleontologist can determine quickly an approximate age of the rock in which it is found. [INDEX]

Down

1. Most of the surface of Alberta has been shaped by huge sheets of ice called _____. [GLACIERS]
2. The _____ Era, which had only very simple forms of life, includes 87% of Earth's entire history on the Geologic Time Scale. [PRECAMBRIAN]
4. Obsidian, a fine-grained _____ igneous rock, was important to First Nations peoples because it could be formed into sharp tools and weapons. [EXTRUSIVE]
6. A _____ volcano is low and flat, and its eruptions consist of slow, oozing lava. [SHIELD]
8. The thinnest layer on a model of Earth's structure is its _____. [CRUST]
10. Metamorphic rock can change into _____ rock through the processes of weathering, erosion, and deposition in the rock cycle. [SEDIMENTARY]
13. Earth's _____ core is made of flowing liquid iron and nickel. [OUTER]
14. The rock strata in an area help to determine the _____ age of the fossils found there. [RELATIVE]
16. Geologists say that _____ has occurred whenever particles of rock are moved from one place to another. [EROSION]
17. _____ waves can be used to locate the focus of earthquakes and to learn about the structure of Earth's interior. [SEISMIC]