***Chapter 6 Lesson 1-How Does Earth’s Surface Change?***

**+ \_\_\_\_\_\_**

**+ 26** points

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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_\_\_\_\_\_

1. Earth has many layers underneath its thin outer skin, or its \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ lives beneath the Earth’s crust.

3. The crust is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **and** the least dense layer.

4. The crust is approximately \_\_\_\_\_\_\_\_\_\_\_\_\_\_ km thick.

5. The crust is thinnest under the \_\_\_\_\_\_\_\_\_\_\_\_ than under the continents.

6. The mantle is approximately \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_km thick.

7. Some of the upper mantle is partially melted, and the rest is \_\_\_\_\_\_\_\_\_\_\_\_.

8. The upper part of the mantle consists of \_\_\_\_\_\_\_\_\_ layers.

The upper layer is part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, with the asthenosphere lying below it.

9. The lower mantle is made up of \_\_\_\_\_\_\_\_\_ and magnesium silicate minerals.

10. Beneath the mantle is the last major layer of Earth, called the \_\_\_\_\_\_\_\_\_\_\_.

11. The core extends from the bottom of the mantle to Earth’s \_\_\_\_\_\_\_\_\_\_\_\_\_.

12. Scientists think the core is made mostly of \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ because of the core’s density.

13. Earth’s iron-rich core also acts as a magnet, producing Earth’s magnetic \_\_\_\_\_\_\_\_\_\_\_\_\_

14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - the **process** of being broken down into smaller pieces.

15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - or the removal and transportation of weathered material, the pieces of rock are being carried away.

16. A soft rock erodes much \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than a hard rock.

17. Small pieces of rock that are weathered and eroded are called \_\_\_\_\_\_\_\_\_\_\_\_

18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - is the dropping or settling of eroded material.

19. Immense ice sheets are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

20. When a glacier retreats, the land rises back up in a process called \_\_\_\_\_\_\_\_\_

21. Craters formed when rocks from space, known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, collide with the moon and Earth.

22. Earth has experienced \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ meteorites than the moon because of Earth’s thick atmosphere.

23. Meteor Crater is located in which state? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Approximately** how many years ago did the meteor crash onto Earth’s surface?\_\_\_\_\_\_\_\_\_