**Layers of the Earth & Tectonic Plate Boundaries**

1. **Which of these best describes the composition of the inner core of Earth?**

**A** liquid water and rock crystals

**B** oxygen and carbon dioxide gas

**C** liquid iron and nickel

**D** solid nickel and iron

1. **The Andes Mountains are located in South America where the Nazca plate moves towards the South American plate. Which best describes the rate of movement of the Nazca plate?**

**A** 7 centimeters per year

**B** 70 centimeters per year

**C** 7 meters per year

**D** 70 meters per year

1. **Which feature is formed by the movement of tectonic plates?**

**A** volcanic island chain

**B** river delta

**C** beach

**D** continental glacier

1. **Plastic shopping bags are a common form of litter. In sunlight, these shopping bags break down into small plastic pieces. When these small plastic pieces end up on beaches, ocean animals will sometimes consume them. Litter from shopping bags is most likely to affect**

**A** sea levels.

**B** food chains.

**C** ground water.

**D** global temperatures.

1. **The Himalaya Mountains formed from a collision of the Indo-Australian plate with the Eurasian plate. Which best approximates the rate of movement of the Indo-Australian plate?**

**A** 0.67 millimeter per year

**B** 6.7 centimeters per year

**C** 6.7 meters per year

**D** 67 meters per year

1. **Which geological feature was most likely formed when two lithospheric plates collided?**

**A** Lake Michigan

**B** Grand Canyon

**C** Mississippi River delta

**D** Sierra Madre mountain range

1. **Which is the most likely effect of a rise in global temperatures caused by human activities?**

**A** rising sea levels

**B** more earthquakes

**C** fewer tropical storms

**D** increased soil erosion

1. **A cross section of Earth is shown below. Which layer of Earth is made mostly of liquid metal?**

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**A** 1

**B** 2

**C** 3

**D** 4

1. **The diagram shows a divergent plate boundary. Which of these will most likely happen because the lithospheric plates move away from each other?**

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**A** New sea floor forms.

**B** Tides become higher.

**C** Winds become stronger.

**D** Water moves to higher latitudes.

1. **The top layer of Earth is only about 50 kilometers thick. This layer is known as the**

**A** mantle.

**B** outer core.

**C** inner core.

**D** crust.