



**Subject:** Grade 5 Natural Sciences

**Topic:** The structure and surface of the Earth

**Total:** 33 Marks

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1. wind 3 marks

**Explanation:**

Wind, running water, ice and rain break up rock on the Earth's surface into smaller pieces called sediment.

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2. C: outer layer 4 marks

**Explanation:**

The outer layer of the Earth is made up of hard rock and soil. The middle and inner layers are made up of hot molten rock.

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3. false 2 marks

**Explanation:**

Silt is a soil that has medium-sized particles. Clay is soil that has very fine particles.

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4. B: sedimentary 4 marks

**Explanation:**

Sedimentary rock forms when sediment is deposited in layers on top of each other. These layers harden to form rock.

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5. lava 3 marks

**Explanation:**

The molten rock below the Earth's surface is called magma. When magma reaches the surface of the earth it is called lava.

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6. silt | loam | loamy soil | loam soil | loamy 3 marks

**Explanation:**

Soil is divided into three main groups: sandy soil, silt and clay. They each have different properties, colours and textures.

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7. smooth | heavy 4 marks

**Explanation:**

Clay feels smooth even when it is dry. It is heavy and sticky when it is wet. This is due to the size of its particles.

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8. A: topsoil

4 marks

**Explanation:**

The top layer of soil is called topsoil. It is the richest layer of soil as it has the most humus in it.

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9. true

2 marks

**Explanation:**

The structure of the Earth is made up of an outer layer that we live on, a middle layer and the inner layer.

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10. A: sandy soil

4 marks

**Explanation:**

Sandy soil has large particles that allow water to run right through it. It has only small amounts of humus, and therefore does not provide much food for plants.

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