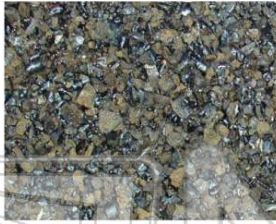




Name _____ Class _____ Date _____

1 _____ refers to the natural processes that **break** rock into **smaller** and **smaller pieces**.

- A Subduction
- B Weathering
- C Oxidation
- D Erosion



3 Which of the following is an example of the **mechanical weathering** of rock?

- A acid rain
- B running water in a stream
- C oxidation
- D acids from living



2 Which of the following is an example of the **chemical weathering** of rock?

- A blowing sand
- B freezing and thawing
- C acid rain
- D burrowing animals

4 Acid precipitation contains a number of different acids which form when the **water** reacts with air born **pollution**. Which two acids are most common in **acid precipitation**?

- A hydrochloric acid and sulfuric acid
- B hydrochloric acid and nitric acid

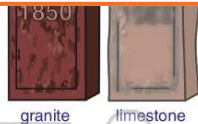


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A chemical weathering
B mechanical weathering
C erosion
D differential weathering



- A cube 2; it has smaller surface area
- B cube 2; it has a larger surface area
- C cube 1; it's bigger
- D cube 1; it's a single, whole piece



9 Decide if the following is true or false: Weathering depends on location. Compared to the foot of a mountain, the temperature changes are more extreme at the top, heating and freezing rock more often. There are more windblown particles and stronger winds. There is also more rain, so more chemical weathering occurs. **Rock weathers faster on the top of a mountain.**

True or false?

- A true
- B false



10 The part of soil that is composed of **decayed biological matter** is called _____.

- A parent rock
- B residual soil
- C humus
- D transported soil



ANSWER KEY

_____ refers to the natural processes that **break** rock into **smaller** and **smaller pieces**.

- A Subduction
- B Weathering
- C Oxidation
- D Erosion



(b)

Which of the following is an example of the **chemical weathering** of rock?

- A blowing sand
- B freezing and thawing
- C acid rain
- D burrowing animals

(c)

Which of the following is an example of the **mechanical weathering** of rock?

- A acid rain
- B running water in a stream
- C oxidation
- D acids from living organisms



(b)

Acid precipitation contains a number of different acids which form when the **water** reacts with air born **pollution**. **Which two acids are most common in acid precipitation?**

- A hydrochloric acid and sulfuric acid
- B hydrochloric acid and nitric acid
- C sulfuric acid and nitric acid



(c)



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- B mechanical weathering
- C erosion
- D differential weathering



- B cube 2; it has a larger surface area
- C cube 1; it's bigger
- D cube 1; it's a single, whole piece



Decide if the following is true or false: Weathering depends on location. Compared to the foot of a mountain, the temperature changes are more extreme at the top, heating and freezing rock more often. There are more windblown particles and stronger winds. There is also more rain, so more chemical weathering occurs.

Rock weathers faster on the top of a mountain.

True or false?

- A true
- B false



(a)

The part of soil that is composed of **decayed biological matter** is called _____.

- A parent rock
- B residual soil
- C humus
- D transported soil

(c)