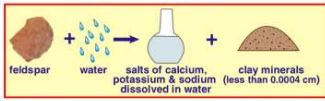




Name _____ Class _____ Date _____

1 The diagram below represents a **naturally occurring geologic process**.



Which process is best illustrated by the diagram?

- A cementation
- B erosion
- C metamorphism
- D weathering

3 Which mineral will **scratch glass** (hardness = 5.5), but **not pyrite**?

- A gypsum
- B fluorite
- C orthoclase
- D quartz

Approximate Hardness of Common Objects	
fingernail (2.5)	glass (5.5)
copper penny (3.5)	steel file (6.5)
iron nail (4.5)	streak plate (7.0)

2 Which **phrase** best describes **coal**?

- A low density, mafic
- B chemical precipitate
- C organic plant remains
- D glassy texture, volcanic



4 The image below shows a piece of **halite** that has been recently broken.

Which **physical property of halite** is demonstrated by this **pattern of breakage**?

- A hardness
- B streak



PREVIEW

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7 **C** size, location, and luster
D hardness, cleavage, and crystal shape

- B Biotite mica contains iron and/or magnesium, but muscovite mica does not.
- C Muscovite mica scratches quartz, but biotite mica does not.
- D Muscovite mica cleaves into thin sheets, but biotite mica does not.

9 Which **three minerals** are most commonly found in the igneous rock **granite**?

- A amphibole, calcite, and hematite
- B amphibole, biotite mica, and gypsum
- C plagioclase feldspar, pyroxene, and olivine
- D plagioclase feldspar, potassium feldspar, and quartz



10 A human fingernail has a **hardness** of approximately 2.5. Which **two minerals** are **softer** than a human fingernail?

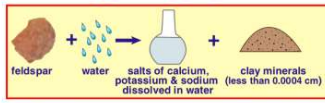
- A calcite and halite
- B sulfur and fluorite
- C graphite and talc
- D pyrite and magnetite





ANSWER KEY

The diagram below represents a **naturally occurring geologic process**.



Which process is best illustrated by the diagram?

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V
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PREVIEW

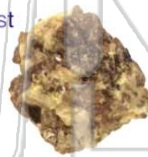
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D hardness, cleavage, and crystal shape

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