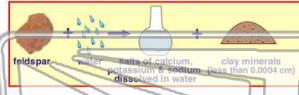




Name _____ Class _____ Date _____

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

2

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

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



3

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

- A gypsum
- Approximate Hardness**

4

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

Which **physical property** of



5

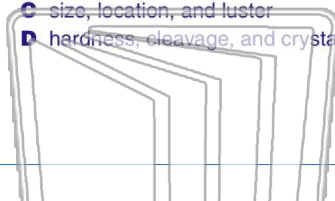


PREVIEW

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7

- A color, streak, and age
- B origin, exposure, and fracture
- C size, location, and luster
- D hardness, cleavage, and crystal shape



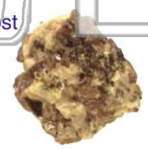
- A Biotite mica is colorless, but muscovite mica is not.
- B Biotite mica contains iron and/or magnesium, but muscovite mica does not.
- C Muscovite mica scratches quartz, but biotite mica does not.
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9

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?

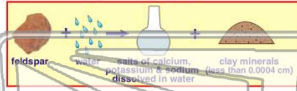
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A	gypsum	Approximate Hardness
1	2	3
4	5	6
7	8	9
10	11	12

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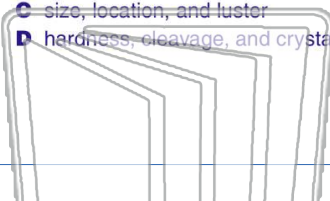


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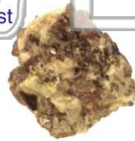
8

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