



evropský
sociální
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost



PARDUBICKÝ KRAJ

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

A) Complete each sentence.

- When flint and opals break, they have a unique.....with arclike pattern.
- Mica has perfectin one direction, it breaks in sheets.
- A mineral, such as salt, is naturely occuring but....., in contrast to sugar which comes from plants.
- A mineral's.....rarely changes, but sometimes does not match its external colour.
- Mohs scale is used to compare the..... of minerals.
-make up the most common mineral group.
-is described as ether metallic or nonmetallic.
- A mineral can take the shape of one of the six major.....systems.
- Geologists commonly use.....as a measure of density for accurate identification of a mineral.
- When compounds in cooling.....no longer move freely, they may interact chemically to form minerals.

B) Multiple choice

- Ores near Earth's surface generally are obtained from
 - open-pit mines
 - underground mines
 - water with dissolved minerals
 - waste-removal facilities
- Silver, gold and copper have shiny surfaces and they are said to have
 - metallic luster
 - dull luster
 - waxy luster
 - nonmetallic luster
- The most abundant elements in Earth's crust are
 - oxygen and silicon
 - aluminium and potassium
 - oxides and carbonates
 - halite and coal:

Translate part c :

C) Match each item with the correct statement. There is one extra which you won't need.

- a) Cleavage
- b) Gem
- c) Magma
- d) Crystal
- e) Fracture
- f) Luster
- g) Ore
- h) Streak

- 1) Molten material found beneath Earth's crust
- 2) Measure of how easily a mineral can be scratched
- 3) The way a mineral reflects light from its surface
- 4) Mineral that contains silicon and oxygen

- 5) Valuable mineral prized for its rarity and beauty
- 6) Solid in which the atoms are arranged in repeating pattern
- 7) Property of breaking with rough or jagged edges
- 8) Property of splitting along one or more flat planes evenly and easily
- 9) Mineral that contains a useful substance that can be mined for profit

What does the extra statement describe ?

Find these verbs in the statements above.

Křemík

Užitečný

Vzor

Vlastnost

Hrana

Povrch

Škrábat

Výjimečnost

Pevný

Pod

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

D) Decide if the statement is true or false, correct false statements.

- a) Gems are prized for their availability and beauty.
- b) Mineral crystals may begin to precipitate out of a solution that has become saturated.
- c) The most reliable way to identify a mineral is by using a combination of several tests.
- d) Minerals form from cooled magma and from elements from gases.
- e) There are at least 3000 known minerals in Earth's crust.
- f) Minerals can be identified based on their physical and chemical properties.
- g) Although a few minerals are composed of single elements, most are made of compounds.
- h) The most common minerals, feldspar and quartz, are carbonates.
- i) The classification of a mineral as an ore does not change once it has been mined.
- j) Trace elements in a mineral do not affect the colour or the value of mineral.

Translate :

It has been mined

Trace elements

Common minerals

Based on

Known minerals

Reliable way

Solution

a few minerals

saturated

Earth's crust