

## Rocks and Minerals

### List

ASPHALT  
CHALK  
CLAY  
COAL  
COPPER  
FLINT  
GOLD  
GRANITE  
IRON  
LIMESTONE  
SANDSTONE  
SILVER  
SLATE  
QUARTZ

S E F D Q K N Y K C C G C O H G A R H N  
F A E L L M M C A R W K B F R Q S E Y B  
P J N A I J E O F L G Z R A B J P P J B  
T F H D K N O A N O C H N J I R H P Y K  
P C W M S Z T L L L L I N C G M A O M L  
S L A T E T T D S S T A B M D B L C M S  
W O E I E G O R F E D L I M E S T O N E  
M Q M L M B B N A A T J Z C O L W O T C  
R E V L I S I W E U D P F L N O R I Y S  
H C Q U B G W I C L Q S N E G K P D H T

Match the name of the rock and its picture.

asphalt



limestone



coal



gold



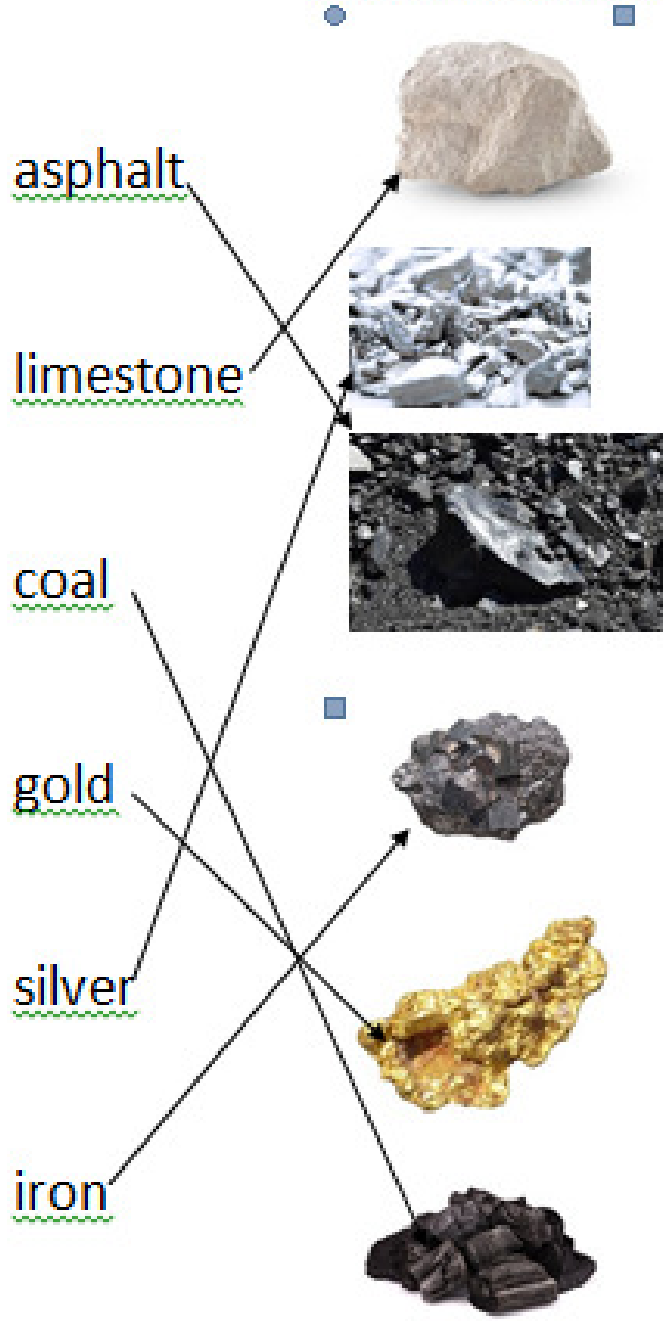
silver



iron



Match the name of the rock and its picture.



Name: \_\_\_\_\_

## Minerals

Minerals are naturally occurring substances formed by geological processes. They are usually solid and have a crystalline structure.

**Directions:** Complete the data below for the **minerals below**.

Minerals: limestone, asphalt, limestone, coal, gold, silver, iron

### Words to use for luster:

dull/earthy, waxy, greasy/oily, pearly, silky, glassy/vitreous,  
resinous, adamantine (diamond-like), metallic

### Words to use for crystal shape:

acicular (fine needles), blebs (round blobs), botryoidal (bunch of grapes), concretion (spherical), dendritic (branch-like), dog-tooth (like a tooth), fibrous (fibers), octahedral (8-sided), massive (chunk with no crystal shape), tabular (thin sheets)

### Words to use for cleavage:

**perfect 1 way:** breaks on one perfect cleavage plane

**perfect 2 ways:** breaks into elongated boxy shapes, 90 degree angles

**perfect 3 ways:** breaks into pieces that look like perfect boxes

**no cleavage:** does not break regularly

### Words to use for transparency:

**transparent:** clear, see through when sliced thin, called "gemmy"

**translucent:** see shapes & shadows through it when sliced thin, may be cloudy

**opaque:** can't see through it at all when sliced thin, rarely used for gemstones

mineral name

uses

luster

cleavage

transparency

color

shape

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