

ROCKS & MINERALS

Worksheets

Name: _____

Mineral Word Search

There are about 3,000 minerals on the planet. Find the following minerals in the mix of letters below.

QUARTZ

20217

Name: _____

Tell the Differences

Can you answer the following questions about minerals concisely?

What is the difference between

... rocks and minerals?

... quartz and basalt?

... geodes and feldspar?

... turquoise and lapis lazuli

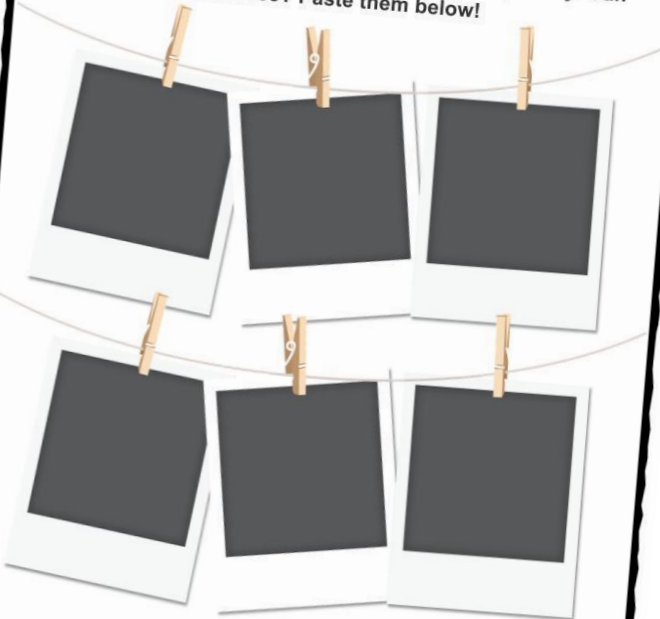
... marble and limestone?



Name: _____

Jade Gallery

Throughout history, jade has been used to make fish hooks, knives, hammers, axes, ornaments, statues and jewelry. Can you find pictures of these? Paste them below!



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ROCKS AND MINERALS FACTS



A rock is a naturally occurring solid. It is made of minerals (which are crystalline), or other mineral-like substances. The minerals in the rocks vary, making different kinds of rock.

Facts

- All rocks are made of two or more minerals, but minerals are not made of rocks. A mineral is the same all the way through.
- There are about 3,000 known minerals on Earth.
- Quartz is one of the most common minerals found on Earth, and basalt is the most common rock.
- Diamond is the hardest natural substance on Earth, and a diamond is used to cut another diamond.
- Marble forms from metamorphosed carbonate rock, usually limestone.
- Breccia is a rock composed of generally large, sharp fragments cemented together.
- The biggest pure-gold nugget was found in Australia in 1869 and weighed 156 pounds. Gold is extremely soft and is one of the most valuable minerals.
- Geodes are plain balls of igneous or sedimentary rock on the outside, but contain beautiful crystals on the inside.
- Feldspar is a term used for a very large group of minerals, which are extremely abundant on Earth. Feldspars make up more than half of the Earth's crust.
- The first recorded use of turquoise dates back to 5,000 BC in Mesopotamia, where people used gemstones to make beads. Lapis lazuli, treasured for its rich blue color, was often used in jewelry. The ancient Egyptians used powdered lapis lazuli as eye shadow. In ancient India and China, jade, which is extremely strong, was used for making things like fish hooks, knives, hammers, axes, ornaments, statues and jewelry.

Name: _____

Mineral Word Search

There are about 3,000 minerals on the planet. Find the following minerals in the mix of letters below.

QUARTZ
TALC

DIAMOND
AMETHYST

JADE
COPPER

TOPAZ
GOLD

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

Name: _____

Mineral Word Search

ANSWER KEY

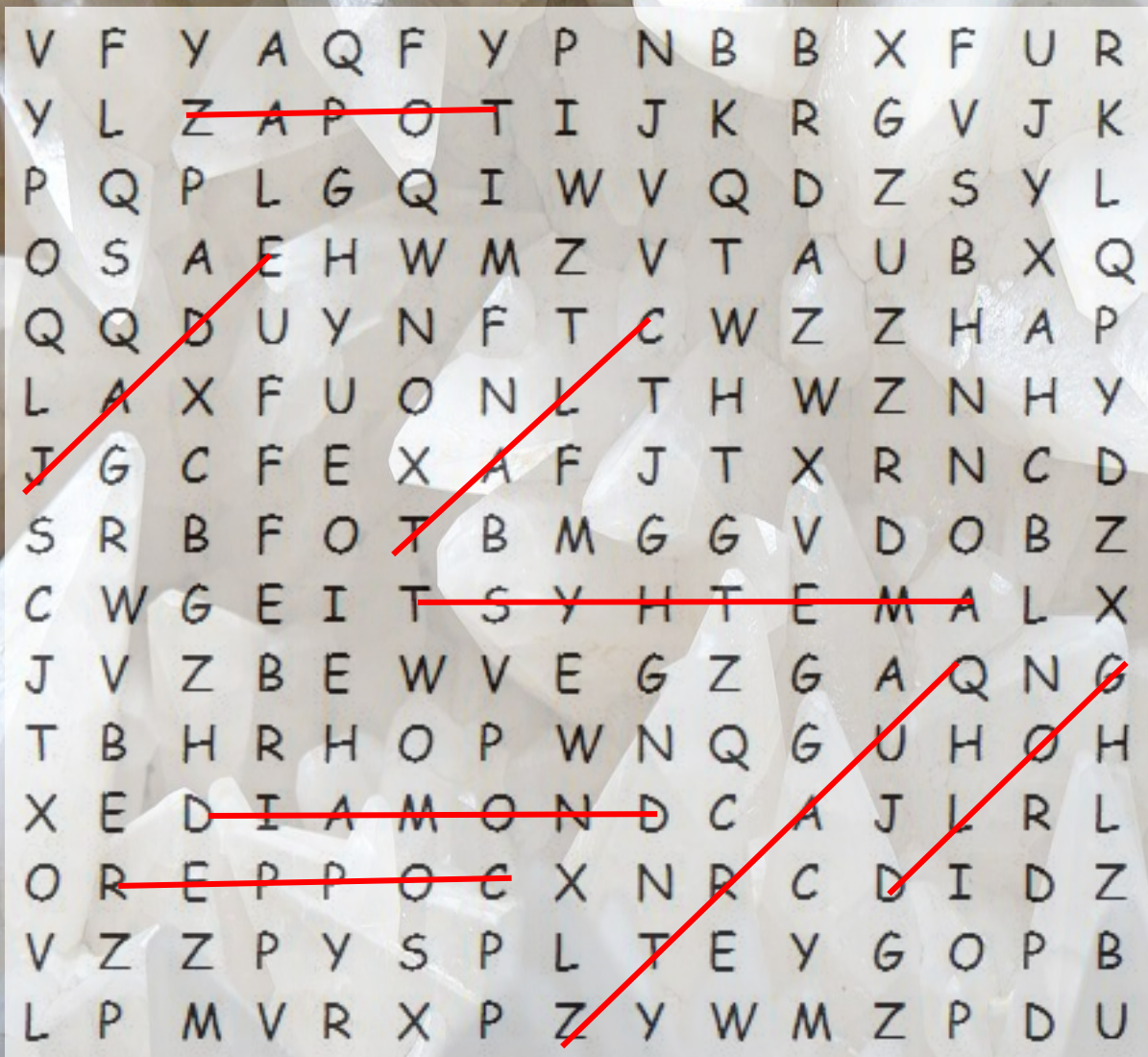
There are about 3,000 minerals on the planet. Find the following minerals in the mix of letters below.

QUARTZ
TALC

DIAMOND
AMETHYST

JADE
COPPER

TOPAZ
GOLD



Name: _____

Tell the Difference

Can you answer the following questions about rocks and minerals concisely?

What is the difference between...

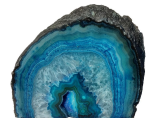


... rocks and minerals?

... quartz and basalt?



... geodes and feldspar?



... turquoise and lapis lazuli?



... marble and limestone?



Name: _____

Match the Mineral

Based on what you know about minerals, can you match the description of the mineral to its picture below?

Rock crystal quartz can be clear or white.

Lapis lazuli has a rich blue color.

Rose quartz is pinkish in color.

Amethyst is a violet variety of quartz.

Pyrite is called fool's gold because it looks similar to gold.

Opal can flash a variety of vibrant colors.



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Match The Mineral

ANSWER KEY

Based on what you know about minerals, can you match the description of the mineral to its picture below?

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Name: _____

Rock and Mineral Formation

Just how rocks and minerals take time to form, form six names of rocks and minerals from the mix of letters below.

V B G Q U R M O L
E C C D Z I A T S



Name: _____

Rock and Mineral Formation

ANSWER KEY

Just how rocks and minerals take time to form, form six names of rocks and minerals from the mix of letters below.

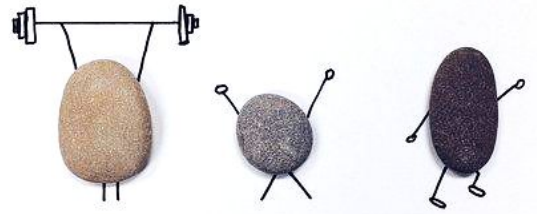
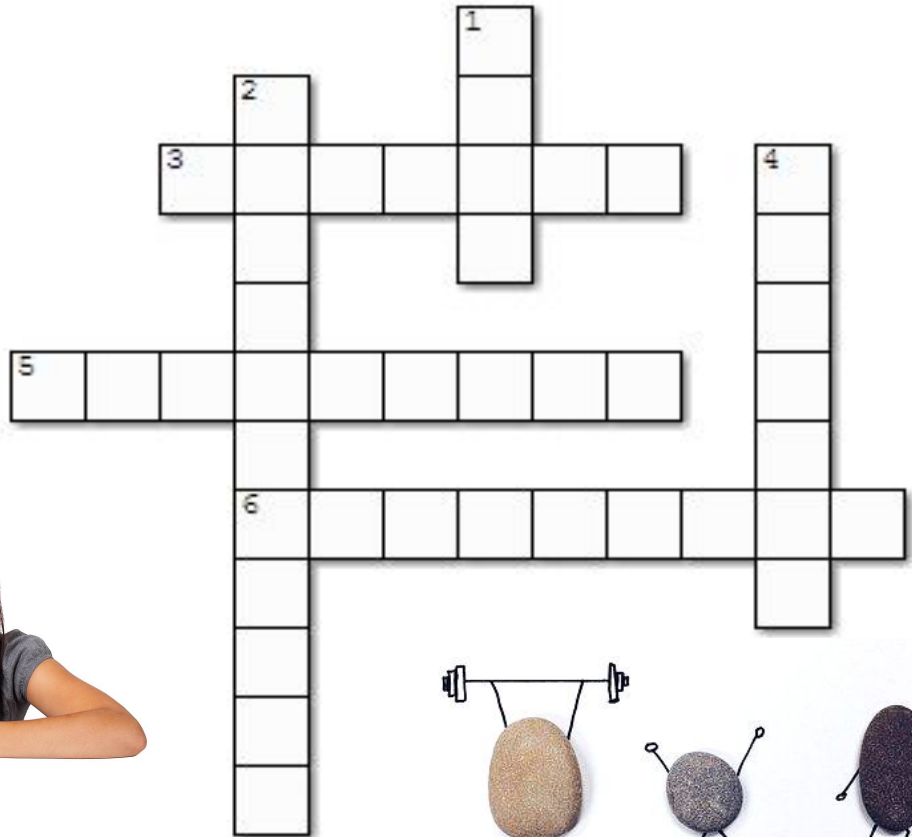
V B G Q U R M O L
E C C D Z I A T S



Name: _____

Rock and Mineral Crossword Puzzle

Can you complete the crossword puzzle by filling in the blanks below?



Across

- _____ is a rock composed of generally large, sharp fragments cemented together.
- The biggest pure-gold nugget was found in _____ in 1869 and weighed 156 pounds.
- Marble usually forms from _____.

Down

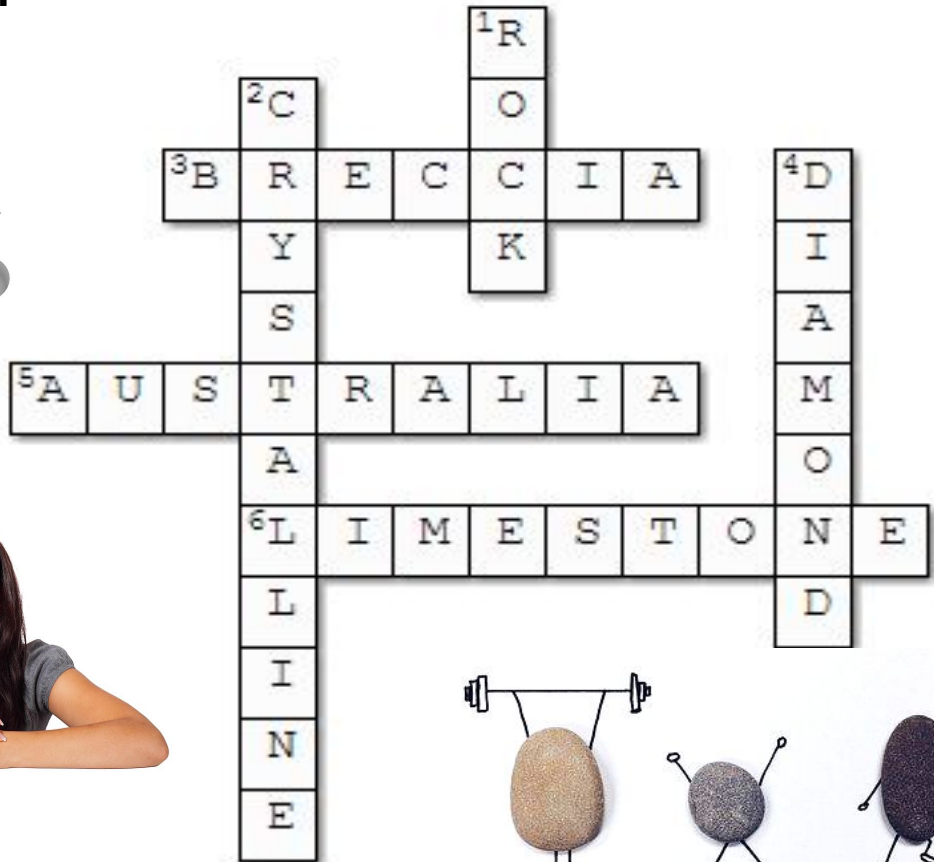
- A _____ is a naturally occurring solid.
- Minerals have a definite _____ structure.
- _____ is the hardest natural substance on Earth.

Name: _____

Rock and Minerals Crossword Puzzle

ANSWER KEY

Can you complete the crossword puzzle by filling in the blanks below?



Across

3. _____ is a rock composed of generally large, sharp fragments cemented together.
5. The biggest pure-gold nugget was found in _____ in 1869 and weighed 156 pounds.
6. Marble usually forms from _____.

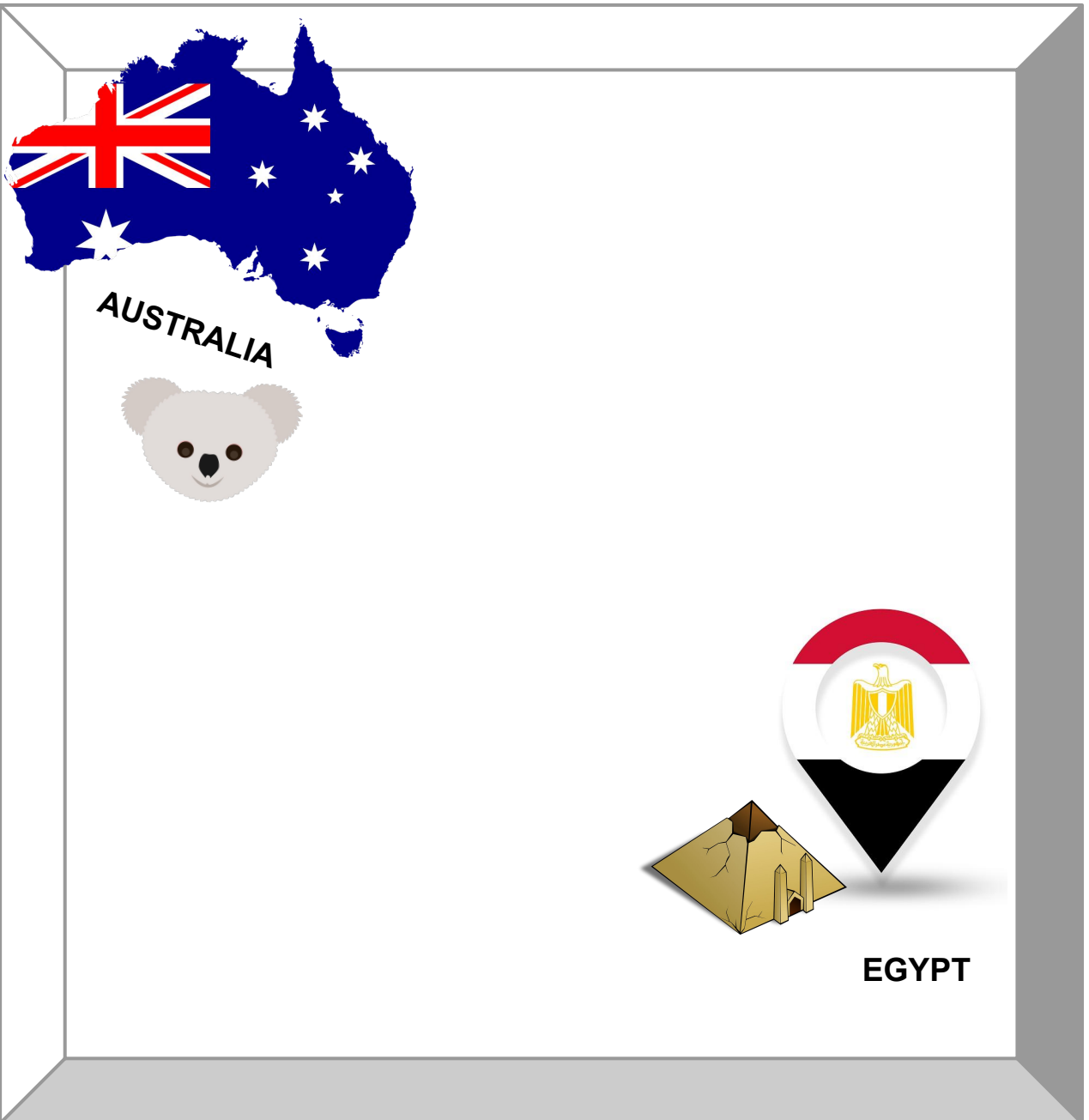
Down

1. A _____ is a naturally occurring solid.
2. Minerals have a definite _____ structure.
4. _____ is the hardest natural substance on Earth.

Name: _____

Mineral Map

The following countries are noted for certain minerals found there. Can you name what those minerals are and how they're related to the country?

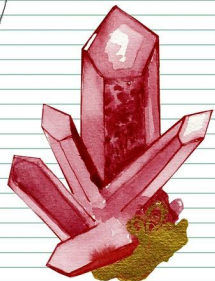


Name: _____

Birthstones

Birthstones are minerals that represent our birthdate. Each month has its own birthstone. Can you find out what they are? Write their names below!

january



february



march



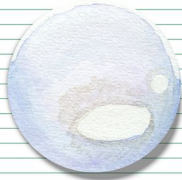
april



may



june



july



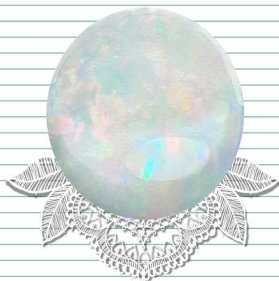
august



september



october



november



december



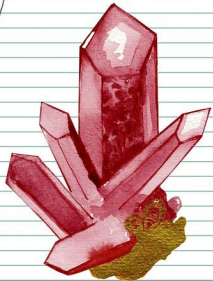
Name: _____

Birthstones

ANSWER KEY

Birthstones are minerals that represent our birthdate. Each month has its own birthstone. Can you find out what they are? Write their names below!

january



GARNET

february



AMETHYST

march



AQUAMARINE

april



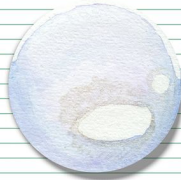
DIAMOND

may



EMERALD

june



PEARL

july



RUBY

august



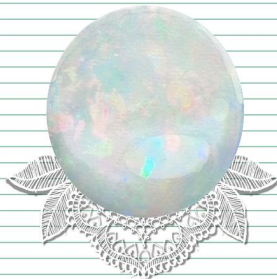
PERIDOT

september



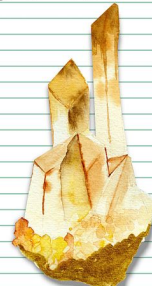
SAPPHIRE

october



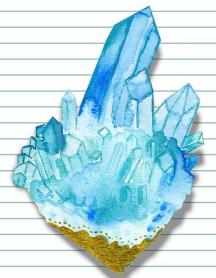
OPAL

november



CITRINE

december

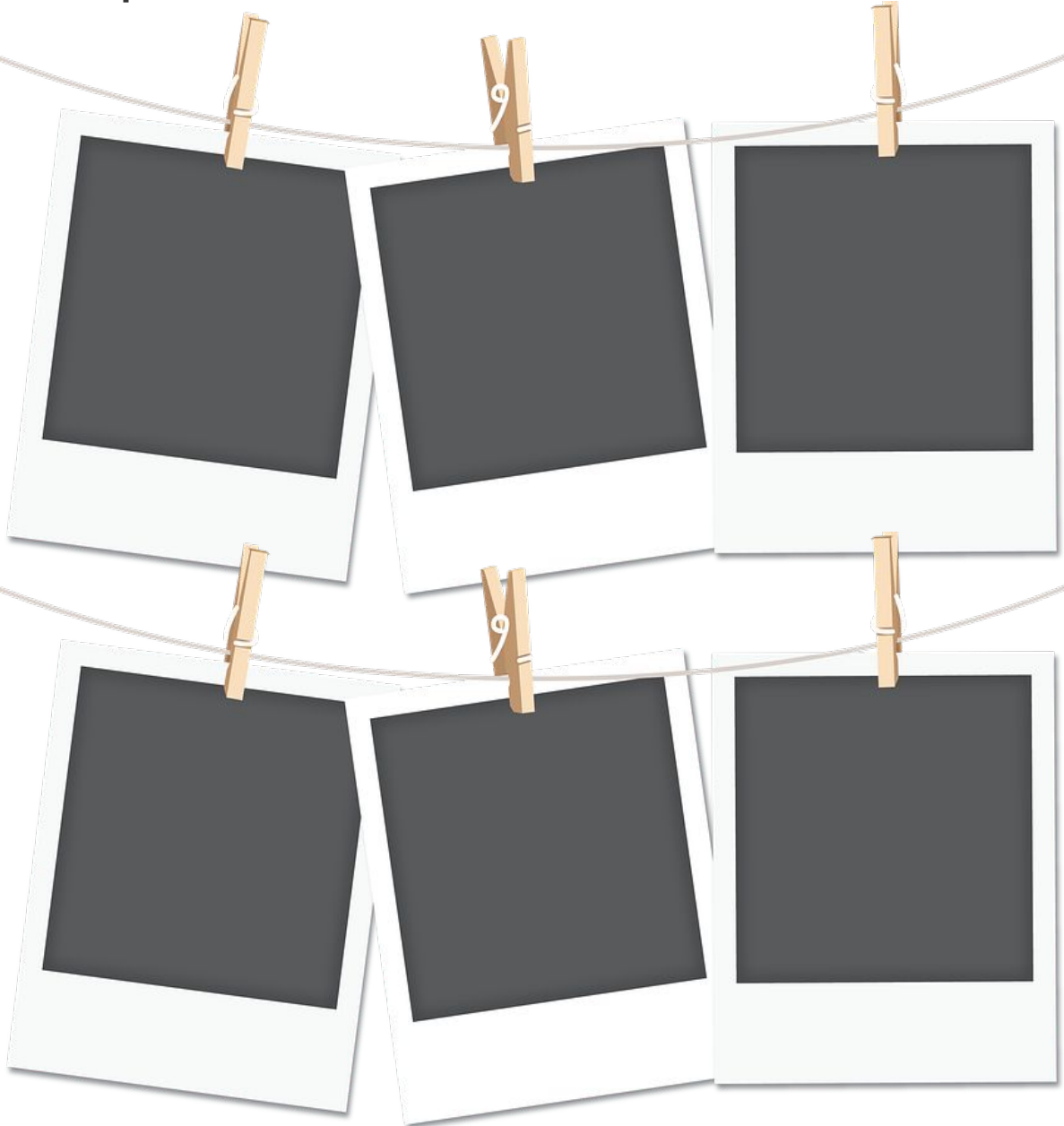


BLUE TOPAZ

Name: _____

Jade Gallery

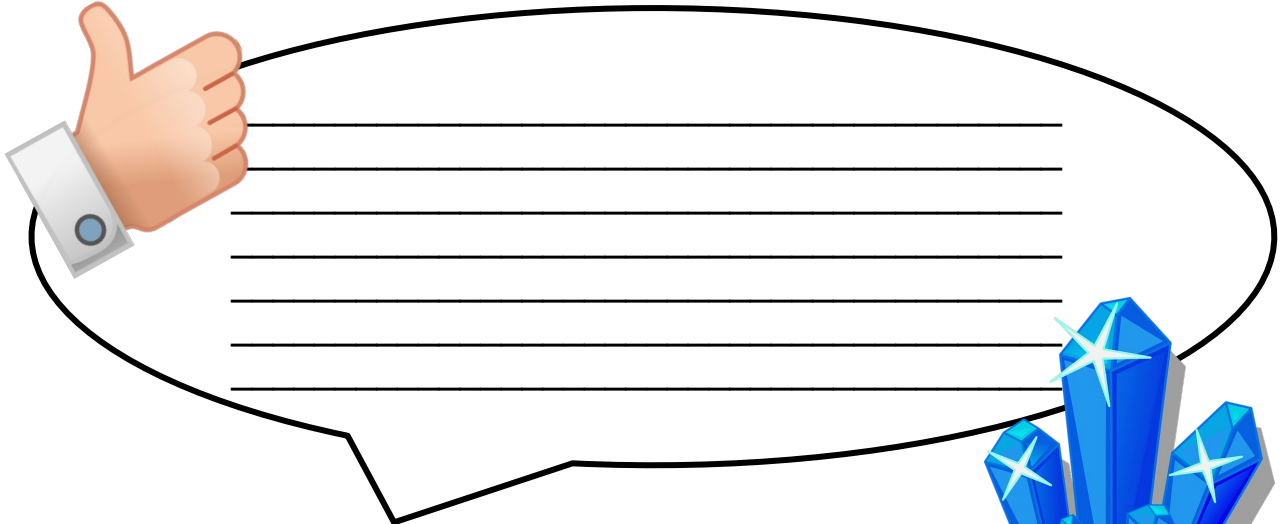
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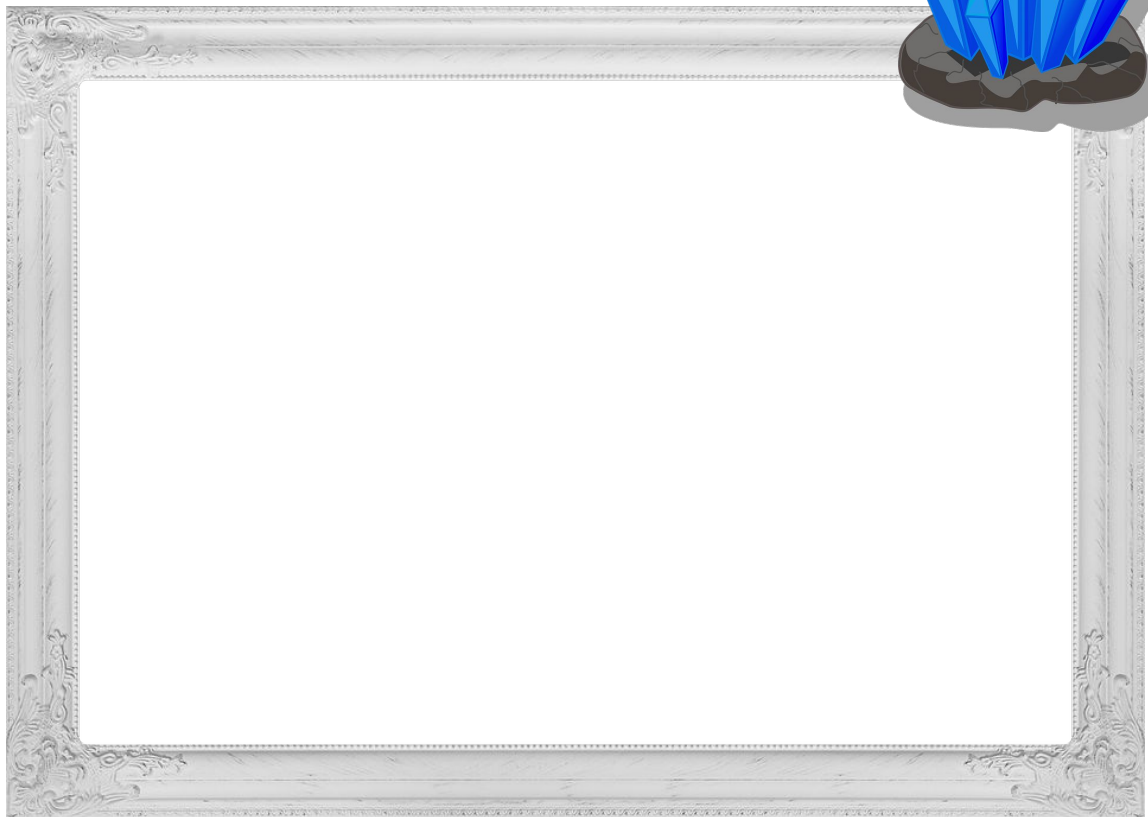
Name: _____

My Favorite Mineral

If you can choose one mineral that is your favorite, what would it be and why? Draw the mineral below too.



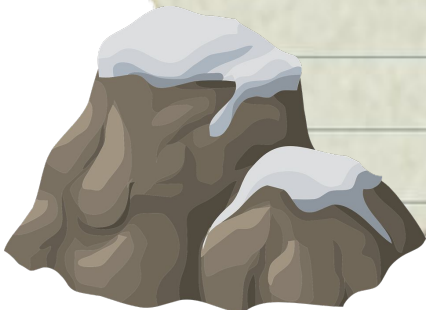
A cartoon hand with a white cuff and a blue button is pointing towards a large speech bubble. Inside the speech bubble are seven horizontal lines for writing.



Name: _____

Poetry Rocks

It's time to write an informative and creative poem about rocks!



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Thank you

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