



**SCIENCE EXAM  
TERM II  
4<sup>RD</sup> GRADE  
2020-2021**

**NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

I. Draw lines to match the vocabulary word with the corresponding picture.

1. Technology



2. Design process



3. Prototype



II. Click on the letter that you think is correct for each question.

1. What is the last step in a design process?
- A. Communicative results
  - B. Choose a solution
  - C. Evaluate and redesign
  - D. Test the prototype



2. What is a prototype?

- A. a procedure for building a solution
- B. the first fully working product that uses a design solution
- C. a final solution
- D. a set of steps that solve problems

3. Some cars have a *Global Positioning System (GPS)*. A *GPS* uses data from \_\_\_\_\_ to provide information about a car's location.

- |                           |               |
|---------------------------|---------------|
| A. engineers              | C. microwaves |
| B. public address systems | D. satellites |

4. The knowledge, process, and products that solve problems and make work easier are called:

- |                |               |
|----------------|---------------|
| A. discoveries | C. technology |
| B. science     | D. computers  |



III. Draw lines to match the definitions with the pictures.

1. is how easily the surface of a mineral can be scratched.

2. is the way the surface of a mineral can be different colors.

3. are natural, nonliving solid crystals that make up rocks.

4. minerals that break along smooth, flat surfaces have:

5. is the way the surface of a mineral reflects light.

**mineral**



**streak**



**luster**



**cleavage**



**hardness**



IV. Read the statements, then choose the correct answer.

1. Rocks that form from molten rock are called: \_\_\_\_\_
2. Rocks that have changed as a result of heat and pressure are called: \_\_\_\_\_
3. Rocks that form when layers of sediments settle on top of one another and harden are called: \_\_\_\_\_
4. Rocks in Earth's crust are slowly broken into smaller pieces in a process called: \_\_\_\_\_
5. Is a natural land feature on Earth's surface: \_\_\_\_\_
6. The process of carrying away weathered bits of rock is called: \_\_\_\_\_
7. What causes sedimentary rock to turn into metamorphic rock? \_\_\_\_\_

V. Draw lines from the words to the pictures.

1. granite



2. obsidian



3. pumice



4. pegmatite



5. basalt



6. gabbro



VI. Drag the corresponding pictures to show the weathering.

### Chemical weathering

The breaking down of rocks by chemical processes

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### Mechanical weathering

The breaking down of rocks by physical processes

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