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| **Weekly learning target:****6th Grade Earth Science****Warm Ups Week \_\_\_\_\_\_** |
| **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| WINTER BREAK ☺ | WINTER BREAK ☺ | Name the layers of the Earth from outermost to innermost. | What is the source of energy for the water cycle? | A rock is **always**\_\_\_\_\_\_\_\_\_.**A**. Made of molten material.**B**. A mixture of minerals, organic matter, volcanic glass, or other materials.**C**. Formed by heat and pressure.**D**. Either igneous or sedimentary. |
|  |  | What is silica and why is it important? | Look at Moh’s hardness scale on page 48 & 49. A mineral has a hardness between 1-5 on the scale. What could you do to find out more? | Name some important processes in the rock cycle. |
|  |  | Name a similarity and a difference between the inner and outer core. | What is a difference between intrusive and extrusive rock? Use page 58/59. | Name three examples of mechanical weathering. |
|  |  | What would be a good reason why there are water shortages when so much of our planet is covered in water?  | How would a sedimentary rock transform into a igneous rock? Can it do this directly? | Name three examples of chemical weathering. |
|  |  | Draw a tiny water cycle diagram. | What is the rock cycle? | What is deposition? |
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| A rock dissolves in a container of acid. Which process is this situation most similar to?1. Erosion
2. Deposition
3. Mechanical weathering
4. Chemical weathering
 | What is sand made from? | OBA | What are the 5 main oceans scientists recognize on Earth? | Write the following ocean zones (numbers) in order starting with the one closest to the surface: 1) dark zone, 2) trenches, 3) sunlit zone, 4) abyss, 5) twilight zone |
| Name a physical difference between a rock that has been in a river for a long time and one that has been there for a short time.  | Using the picture on the board, explain the motion of the rock represented by the arrows. | QBA | How are oceanographers able to map the features on the ocean floor? | How does temperature change the deeper you travel into the ocean? |
| **True or false:** Mechanical weathering is the removal of rock particles by gravity, wind, water, or ice.**If false, how could you change the underlined word to make it true?** | What is a transform boundary? | QBA | What causes tides?1. Strong winds
2. Gulf streams
3. Mid-ocean ridge
4. Interactions of the Sun, Earth, and Moon
 | Why does the temperature change the deeper you go? |
| What is humus?  | What natural disaster often occurs at transform boundaries? | QBA | As you descend in the ocean, how do the conditions change (temp, light, pressure, and density)?A. Temperature and light increaseB. Temperature and light decreaseC. Pressure and density increaseD. Both b and c | What is salinity? |
| What layer of soil would you find humus in? | What conditions do ferns like? | QBA | What is the name for an underwater mountain range?1. Continental shelf
2. Continental slope
3. Seamount
4. Mid-Ocean ridge
 | How does ocean salinity change within the first 1,000 ft of depth? |