|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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? |
| **Weekly Learning Target:** | | | | |
| **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| 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 increase  B. Temperature and light decrease  C. Pressure and density increase  D. 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? |