Name:		Date:	Period:
	Weathering & Ero	sion – Quiz Review G	uide
<ul> <li>(1) Weathering vs. Erosion</li> <li>Weathering: Breakdow</li> <li>Erosion: Weathered ro</li> </ul>	vn of rocks due to physica ck (sediments) is carried a	I or chemical changes. away by	_,, and
(2) Mechanical Weathering: (a Make the Match!	ka Physical Weathering) (	Changes rocks size and s	hape, but not composition
Frost Wedging          Plant Roots          Abrasion          Exfoliation         (3) Chemical Weathering: Char         Make the Match!          Hydrolysis          Oxidation          Carbon Dioxide          Acid Rain	<ul> <li>A. Particles in the wind smoother rock</li> <li>B. Roots grow inside the cracks the rock further</li> <li>C. Sheets of rock peel</li> <li>D. Water enters a crack in the rock.</li> <li>A. Oxygen reacts with</li> <li>B. Water reacts with n</li> <li>C. A gas that dissolves</li> <li>D. A strong acid that for the second secon</li></ul>	d or water rub against of he crack of a rock. As the off a rock face k in the rock, the water y chemical reactions minerals (especially tho ninerals in water to form carbor orms with sulfur dioxide	ther rocks wearing them down creating a e roots grow in size the pressure exerted freezes and expands, widening the crack se containing iron) hic acid (a weak acid) and water in the atmosphere
(4) Order the following types o	f sediment from largest to <b>V</b>	o smallest <b>Vord Bank</b>	
Cobbles Sand Largest	Cla Boul	ay ders	Silt Pebbles Smallest
(5) Variables that Affect the Ra #1 – Tempera • #2 To a lesser extent: #3 – surface area	ate of Weathering ature and moisture levels Best for – Best for – Soft rocks (limeste surface area in	in an area over a long p W W one) weather faster than oreases the rate_of weat	eriod of time eathering_(more freezing) eathering(more CO <sub>2</sub> from rich plant life) n harder rocks (granite) thering. Weathering creates more

#4\_\_\_\_\_ – Materials on steep slopes undergo more change

## (6) Review your Web Quest from Tuesday! Paying special attention to the following:

1. (Website #2) What are the four agents of erosion?

2. (Website #3) What is deposition?



5. (Website #5) What is a rain barrel and how is it beneficial?

6. (Website #5) What makes up a buffer strip and how is it beneficial?

## (7) Concept Map

Prepare a concept map for weathering, erosion and deposition. Be sure to use the following terms. Use as many other linking words and terminology that you wish.

Weathering	Erosion	Deposition	Preventing Soil Erosion
Water	Slowing water	Ice	Mechanical
Transports sediments	Wind	Gravity	Break down rocks
Sediments settle	Deltas	Chemical	Buffer Strip