

Name _____ Date _____ Period _____

ROCK PROCESSES INTRODUCTION

Activity 1 – Processes that Change Rock

Use the table below to keep track of your changes in the rock cycle. After each roll name the process that occurred. Each roll of the dice represents 500,000 years in the cycle (50 rolls equals 25 million years). After completing the table, add up the amount of time spent at each process.

Roll #	Process	Roll #	Process
1		16	
2		17	
3		18	
4		19	
5		20	
6		21	
7		22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

List, in years, the total time spent at each process.

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PROCESS	MAGMA	VOLCANIC ERUPTIONS	WEATHER BREAKS ROCK	GRAINS OF SAND	COMPACT AND CEMENT	HEAT AND PRESSURE
Years						

Activity 2 – Rocks Video

1. When you're looking at rocks, you're looking at _____.
2. _____ is dirt (broken down rocks) & microscopic living things.
3. _____ comes from the word for fire.
4. _____ is silt, sand, mud, goop, etc.
5. _____ rock often has layers.
6. _____ means changed.
7. Rocks get _____ by water getting in the cracks and freezing and by lichens growing in the rock.
8. _____ is made of a bunch of different rocks glued together.
9. In a soil profile, _____ is at the top and _____ are at the bottom.
10. Pits in igneous rocks were _____ in a volcano.
11. _____ is the hardest substance known to man.
12. Time and pressure are the differences between _____ & _____.
13. _____ rocks form inside the ground, made when melted rocks cool down.
14. Heat & pressure deep down inside the earth make _____ rocks.
15. _____ rocks are made from dust.