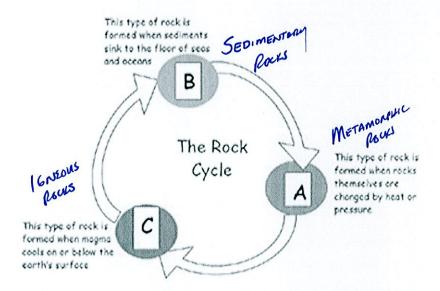


#### **Rocks and Minerals**

- 1) <u>Stomswron</u> rocks formed when sand, dirt, and other materials are squeezed together until they harden. Fossils are sometimes present.
- 2) IGNIONS were once melted and then cooled. They are formed form magma (lava).
- 3) Meromozeure rocks formed by heat and pressure.
- 4) Rock Cycle Label A, B and C and then explain what each type of rock can become.



5) Rocks & Minerals are non-living solid, non-living objects formed in nature. Rocks are naturally formed solid made of one or more minerals.

## Weathering/Erosion/Deposition

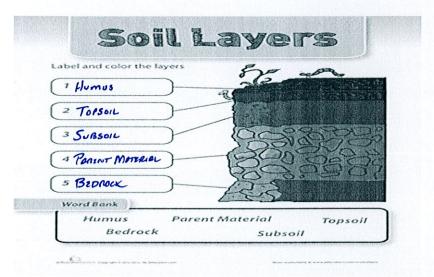
- 6) Chemical of Mechanical Weathering of rock caused by freezing and thawing, animal actions, growth of plant roots and erosion.
- 7) Chemical of Mechanical Weathering caused by water, oxygen (oxidation), carbon dioxide (carbonic acid), living organisms (make weak acids) and acid rain.

### Weathering/Erosion/Deposition

- 8) Wraniering breaks down rock. Francisco moves rock that has been broken down. Deficiency is the resting place for rock that has been weathered and moved.
- 9) Enss... is the process where wind and rain wash Topsolc away, making it difficult for plants to grow and survive.
- 10) **Enosion** is the movement of weathered rock and soil. Moving **Warter** is the cause of most weathering.

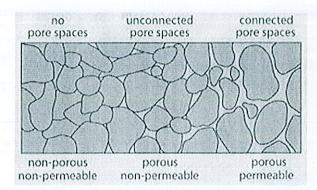
### Soil Horizons = Soil Layers = Soil Profile

- 11) Soil is the loose material in which plants can grow in the <u>Ceust</u> of the Earth. Soil is a mixture of four different materials: tiny pieces of <u>Ruce</u>, <u>florals</u>, <u>and <u>Werze</u>.</u>
- 12) Soil is considered a(n) Non-permutation resource and very important to humans because it takes close to 500 1,000 years to make l inch of soil.
- 13) Use the word bank to label each part



- 14) <u>Humos</u> is the part of soil made up of decayed living things. Plants absorb minerals from the soil. We then <u>Ear</u> the plants, which gives us the minerals that are found in soil.
- 15) Water is an important part of soil. The plants take it in through the soil.

### Soil Porosity and Permeability



- 16) Poposity is a property of soil too. We learned about sand, silt, and clay and their ability to retain water.
- 17) Types of Soil Leay is made up of very small powdery grains and has small spaces between the grains which holds lots of water, making it sticky and difficult for plants to grow. Sano has large grains. This allows water to drain quickly, which keeps most plants from getting enough water.
- 18) Loam is a type of topsoil and used on farms. It is rich with humus and holds water and air well, making it ideal for plants to grow. This type of soil is usually dark brown or black.

### Soil Type and What Determines the Rate of Soil Formation

- 19) Soil is Different from place to place because of the different materials found in the soil. The soil from your yard will look different from soil from your classmate's yard and contains different materials.
- 20) Soil comes in different colors. Soil is different colors because of the different minerals and materials
- 21) Soil has different Texture. You should be able to use different words to describe soil, such as; rough, sticky, rocky, sandy, gritty, smooth, etc.

22) Explain how climate (temperature/precipitation) and type of parent rock determine how slowly or (TEMP ! PASCIPITOTION) quickly soil forms.

1 HEADNESS OF ROCK = & WEATHRING RATE 1 TEMP, 1 PRECEITHEATHN = 1 RATE OF WEATHERING & HOMONESS OF ROCE = P WEATHORING ROTE I TEMP, I PRECIPITATION = I PLATE OF WE OTHER, NL

Human Interactions - Consequences of Poor Soil Management

23) What was the Dust Bowl and how did it happen?

LONG PERIOD OF DROUGHT IN EMPLY 1900'S WHERE WINDS ERODED MUCH OF THE FERTILE TOPSOIL. CAUSED BY POOR FORMING PRINCIES AND LONG PERIOD OF TIME WITHOUT ROWN.

#### **Human Interactions - Soil Conservation**

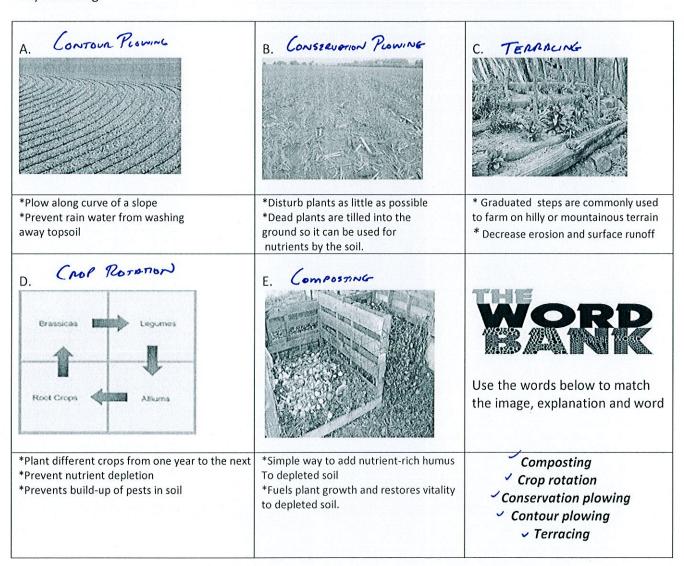
24) What is soil conservation? Why is it important?

SOIL MONAGEMENT TO PREVENT ITS DESTRUCTION. SOIL IS KEY FOR FOOD PRODUCTION MAND WOTER. WE NEED TO BE SMONTER AS OUR POPULATION SIZE INCAPASES.

25) How can plants help prevent soil erosion?

PLANT PROTS KEEP SOIL IN PLACE & PASUENT SMOSTEN

# 26) Matching



27) Explain remote sensing and why it is used for soil?

THAT COVERS MORE ANEW QUICKLY & WITHOUT DISTURBING THE LAND.