Recycling Rock

As you learned in the previous lesson concerning the Rock Cycle there are three types of rocks: Sedimentary, Metamorphic and Igneous. Each of these rocks changes due to weathering or heat and pressure. When rocks weather they form sediments such as sand and pebbles. When rocks are changed by heat and pressure they form new kinds of rocks.

Materials: Rock Recycle Wheel, scissors, brass fastener

What To Do:

1. Cut out both pieces of the Rock Recycle Wheel.
2. Cut out the windows and the notch on the titled paper.
3. Punch a hole with your pen in the middle where indicated.
4. Push a brass fastener through the hole of both making sure the titled wheel is on the top.
5. Make sure your wheel spins and answer the following questions.

Questions:

Turn the notch so that it shows **SEDIMENTS**.

1. What will pebbles weather into? _____

2. What rock do pebbles become if they undergo heat and pressure? _____

Turn the notch so that it shows **IGNEOUS**.

3. What will granite weather into? _____

4. What rock does granite become if it undergoes heat and pressure? _____

Turn the notch so that it shows **SEDIMENTARY**.

5. What will limestone weather into? _____

6. What rock does limestone become if it undergoes heat and pressure? _____

Turn the notch so that it shows **METAMORPHIC**.

7. What will slate weather into? _____

8. What rock does slate become if it undergoes heat and pressure? _____

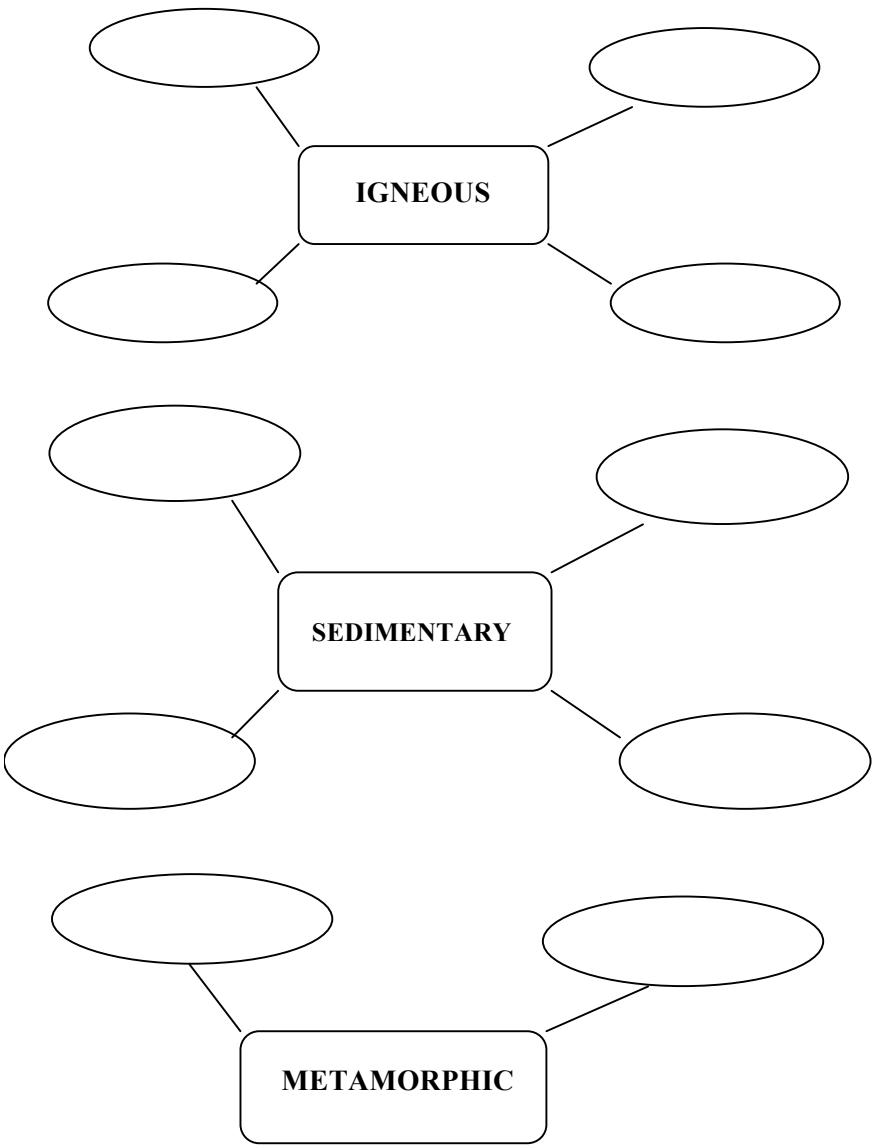
9. What type of rock is granite? _____

10. What type of rock is slate? _____

11. What type of rock is limestone? _____

Your teacher will show you a video segment called *The Rock Cycle* from the website www.missdoctorbailer.com

As you listen and watch the video put the words from the Word Bank in the spider maps on the next page. Use the words from the Word Bank.



WORD BANK

Fire formed	sediment	heat & pressure	
Volcano	cemented	conglomerate	
Magma	fossils	slate	Granite

DO NOT GLUE THIS PAGE

1. Cut out the box below and glue the anchor tab into your notebook.
2. Fold on the dotted line.
3. Under each tab write information about each type of rock.

The Rock Cycle

SEDIMENTARY

METAMORPHIC

IGNEOUS

Name _____ period _____

EXIT TICKET

Recycling Rock

Look at the following lists of words. Place they type of rocks normally associated with the word list in the blank next to the list.

1. _____
   - Fire rock
   - Volcano
   - Magma
   - Granite

2. _____
   - Sediment
   - Cemented
   - Fossils
   - Conglomerate

3. _____
   - Heat and pressure
   - Slate

. Where is magma located?
   - A. below the ground
   - B. above the ground

. Where is lava located?
   - A. below the ground
   - B. above the ground

Name _____ period _____

EXIT TICKET

Recycling Rock

1. Where is magma located?
   - A. below the ground
   - B. above the ground

2. Where is lava located?
   - A. below the ground
   - B. above the ground

Look at the following lists of words. Place they type of rocks normally associated with the word list in the blank next to the list.

3. _____
   - Fire rock
   - Volcano
   - Magma
   - Granite

4. _____
   - Sediment
   - Cemented
   - Fossils
   - Conglomerate

5. _____
   - heat and pressure
   - Slate