Name:_____ Date: _____ Period: _____ LAB# ____

Classifying Sedimentary Rocks

Problem

What are the characteristics of sedimentary rocks?

Materials

- Seven sedimentary rocks.
- Magnifying glass

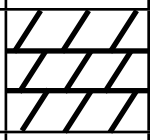
Procedure

- Examine each rock sample. Determine its texture, grain size, and other useful information to aid in its identification.

Conclusions

- Use page 7 of your ESRTs to determine the identity of the rock samples. Enter the indicated information in the appropriate row of the Data Table and name the sedimentary rock (see the example (EX).

DATA TABLE

Rock #	Clastic (C), Chemical (Ch) Bioclastic (O)	Grain Size	Composition	Comments	Rock Name	Symbol
Ex.	Ch	varied	Dolomite	crystals from precipitate or evaporite.	Dolostone	
1						
2						
3						
4						
5						
6						
7						

Name:_____ Date: _____ Period: _____

Critical Thinking and Application

1. Describe the process of the formation of a clastic sedimentary rock.

2. Define: "Compaction" and "Cementation".

3. Why do clastic sedimentary rocks generally form underwater?

4. Describe the pattern clastic sedimentary rocks exhibit after formation of several layers.

5. What are the differences between clastic, chemical and organic sedimentary rocks?

6. Describe the process of the formation of a precipitate.

7. Describe the process of the formation of a evaporite.

8. What are often found in sedimentary rocks and not in either igneous or metamorphic rocks?