

# LAB 3, IDENTIFYING SEDIMENTARY ROCKS

For the first part of Lab 3, you will be identifying a set of sedimentary rocks. These are placed around the lab room, and you need to identify 10 rocks. You will use a **sedimentary rock identification** handout and the table below to record your observations. You should use Exercise 3 in your lab manual for reference.

## SEDIMENTARY ROCK SAMPLES

You are provided samples of 10 sedimentary rocks. Examine each sample carefully, recording at least 4 characteristics (composition, texture, other identifying features) for each. Name each rock using the identification chart handout provided. (Note that we are not using the rock data sheets provided in the Lab Manual, but you may use them as a reference tool.)

#	Description	Rock Name
1	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
2	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
3	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	

4	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
5	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
6	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
7	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
8	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	

9	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	
10	COMPOSITION:  TEXTURE:  OTHER IDENTIFYING FEATURES:	

GO ON TO THE NEXT PAGE OF THIS WORKSHEET TO CONTINUE LAB 3

# LAB 3, SEDIMENTARY ENVIRONMENTS

For the second part of Lab 3, you will be completing Exercise 4 in your lab manual. In this exercise, you will apply your understanding of sedimentary rock types and characteristics to practice interpreting past sedimentary environments. **USE EXERCISE 4 IN YOUR LAB MANUAL TO KNOW WHAT TO RECORD HERE...WRITE YOUR ANSWERS BELOW.** If you haven't read the introductory material for Exercise 4, do that now, before answering questions.

## EXERCISE 4, PART A

*For this and the following exercises, carefully review the images and text associated with each figure. Use Table 4.1 in the manual to help with your answers.*

1.

2.

3.

## EXERCISE 4, PART B

1.

2.

3.

#### EXERCISE 4, PART C

1.

2.

3.

4.

#### EXERCISE 4, PART D

1.

2.

3.

#### EXERCISE 4, PART E

1.

2.

3.

4.

5.

#### EXERCISE 4, PART F

1.

#### LAB 3 REFLECTION

In what way were you able to connect ideas of sedimentary rocks and sedimentary environments in this lab? Or, what was a way this lab helped connect ideas from your lecture / readings?

What was an “ah-ha” moment you had during this lab? This is a time when something suddenly made more sense with additional knowledge.