SECTION 5b

Reflection

Student Pages

Reflection
Anticipation Guide

Directions: Each of the following statements is about light. Read each statement and put a "T" by the statements *you think* are "true" and an "F" by the statements *you think* are "False". Be prepared to explain your decisions to the group.

_____ 1. We do not need light for reflection to occur.

_____ 2. Light will pass through some objects and will not pass through other objects.

_____ 3. White light contains all the colors of a rainbow.

_____ 4. Light travels in a straight path.

_____ 5. The sun is the only natural source of light.

_____ 6. Light will not hit an object and bounce off in different directions.

_____ 7. Reflection is the change in direction of a light ray as it bounces off an object.

_____ 8. Scattering occurs when light hits an object and bounces back in a straight line.

_____ 9. Light can be divided into different colors.

_____ 10. Light can be made up of waves; similar to the ocean's waves.

_____ 11. Light cannot be reflected by colored objects.

_____ 12. Light will reflect from clear objects only.

Note to teacher:

An anticipation guide is a series of statements to get the students to think about what they already know about a concept. The guide should be given prior to teaching to assess background knowledge, help to recognize misconceptions, arouse interest, and encourage students to form questions of their own. It can be used as a springboard for class discussion. A grade should **NOT** be given. At the end of the unit, students should revisit this anticipation guide to evaluate how well they understood the concept and to correct possible misconceptions.

5th Grade Light

Student Data Sheet *(vocabulary map)*

Directions: 1. Write the vocabulary term in the center square.
2. Fill in the examples for reflecting and non-reflecting matter
3. Draw an illustration of the vocabulary term
4. Write a definition of the vocabulary term using the information you have gathered.

Definition:

Reflecting
(examples)

Non-reflecting
(examples)

Term

Illustration

5th Grade Light Energy

Reflections using Light Box

Student "OWL" Data Sheet

Record your data for below

What I observed:	What I wonder:	What I learned or discovered:

Illustration:

Record your data below

What I observed:	What I wonder:	What I learned or discovered:

Illustration:

Record your data below

What I observed:	What I wonder:	What I learned or discovered:

Illustration:

Record your data below

What I observed:	What I wonder:	What I learned or discovered:

Illustration:

Record your data below

What I observed:	What I wonder:	What I learned or discovered:

Illustration:

Record your data below

What I observed:	What I wonder:	What I learned or discovered:

Illustration:

REFLECTION LOG

LESSON TITLE:

PRE-LESSON

Write two or three questions you hope will be answered.

Write the open-ended question/questions given to you by your instructor.

POST-LESSON

1) What new knowledge did you gain today?

2) List three things from today's lesson that will be most helpful to you?

3) Check your pre-lesson questions. Write the answer those questions that were answered. Ask the other questions during class discussion.