

**Life Science Class fish respiration rates**

**Lab will be experiments with fish breathing rates using living goldfish. Prior to class, please answer these questions:**

1. Look up the normal resting breathing rate of a fish (we will use goldfish in class) \_\_\_\_\_\_\_\_\_\_\_

*Without looking at any sources, answer the following questions as to what you think will happen. After experimenting in class, you will see if your hypothetical guess is correct!*

1. What do you think will happen to the breathing rate if the water is warmed up 10 degrees? Will the breathing rate go up or down? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What do you think will happen to the breathing rate if the water is cooled 10 degrees from where we started? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_