

ACTIVITY 11
PLANTS USE OXYGEN?

Name _____

PLANTS

What question are you going to answer by doing this experiment? _____

Record the results of your experiment here:

jars	dissolved oxygen in ppm		
	when plants are put in the jar	one day later	change with time
control			
plants			

Record the class results here as change in dissolved oxygen in each jar. Write the numbers in parts per million (ppm).

	group number						average
	1	2	3	4	5	6	
control							
plants							

Which changed more, the control or the plants? _____

What conclusions about plants and dissolved oxygen can you make based on

these results? _____

AQUATIC ANIMALS AND OXYGEN

What kind of animal are you going to test? _____

What question are you going to answer by doing this experiment? _____

Record the results of your experiment here:

jars	dissolved oxygen in ppm		
	when animal is put in the jar	after 1 hour	after 2 hours
control			
animal(s)			

How much oxygen did your animal(s) use per hour? _____ ppm per hr

How much did your animal(s) weigh? _____ grams

Divide oxygen used per hour by animals' weight _____

Now you can compare your results with those of other groups. Were your results the same as those of groups who had the same kind of animal(s)?

Can you make any comparisons about how much oxygen different kinds of animals use? Can you compare how much oxygen plants use with that of animals? To do this you will need to weigh the animals and plants so that you are comparing the same weights of crayfish to snails to plants.
