

**Photosynthesis and Respiration Worksheet**

Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

1. What types of cells perform photosynthesis – animal, plant, fungus, all, or none?
2. What types of cells respire (perform respiration) – animal, plant, fungus, all, or none?

Complete the following table.

Process	Reactant(s) – what cell starts with	Product(s) – what cell produces	Energy needed or energy given off
Photosynthesis	3.	4.	5.
Aerobic respiration	6.	7.	8.

Complete the following table.

Type of tissue or material	Does it photosynthesize?	Does it respire?
oak leaf	9.	10.
oak root	11.	12.
human skin	13.	14.
human blood	15.	16.
rock	17.	18.
blade of grass	19.	20.
mold	21.	22.

23. What can you conclude about the types of cells that respire?
24. What is the "purpose" of respiration?
25. From where does almost all the energy that supports life on earth originate?
26. What is the process that converts light energy into chemical energy and thus makes it usable by organisms?