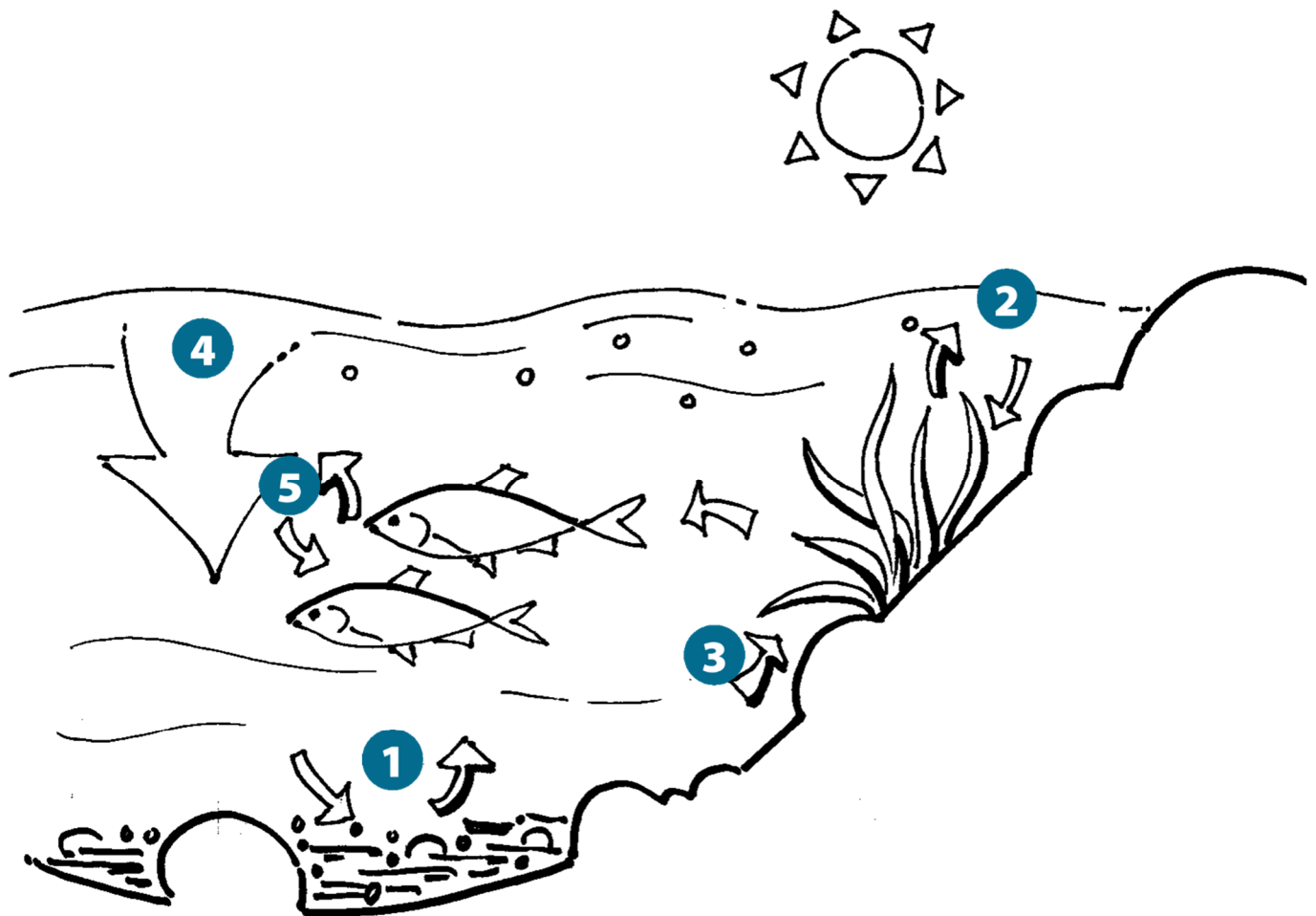


Worksheet 6.1-3.1:

## CYCLE OF DISSOLVED OXYGEN IN WATER

Directions: Look at the picture and try to figure out the path of oxygen (O<sub>2</sub>) and the path of carbon dioxide (CO<sub>2</sub>). Then paint the path of oxygen in blue and the path of carbon dioxide red colour. Read the descriptions of the main processes, and place the correct number of the process into the drawing.



\_\_\_\_\_ Mixing of water surface by wind, waves and currents add atmospheric oxygen to the surface water;

\_\_\_\_\_ Oxygen is used for breathing by animals and plants (respiration);

\_\_\_\_\_ Oxygen is also used in decomposition of organic matter (poop and dead organisms) on the bottom (respiration and mineralization);

\_\_\_\_\_ Oxygen is used for breathing by plants and phytoplankton (respiration);

\_\_\_\_\_ Oxygen is produced through the process of photosynthesis by water plants and phytoplankton;