

Cells and Systems: Match the Term

Living things are organized systems, from a single organism up to the tissues and organs that keep it running. This game reviews eight key terms from Unit B: Cells and Systems, including organism, tissue, organ, membrane, respiration and circulation, and the processes cells use to move materials in and out, diffusion and osmosis. Students apply the concept of system to describe structure and function in organisms ([Outcome](#), [Outcome](#)), describe the role of cells and the movement of materials into and out of them ([Outcome](#), [Outcome](#)), and connect cells, tissues and organs to human body systems like respiration and circulation ([Outcome](#)). The unit overview frames these terms as the building blocks scientists use to make sense of the diversity of living things ([Topic](#)).

How to play

Work alone or with a partner. Match each term on the left to its correct definition on the right. Write the matching letter beside each number.

If you get stuck, think about scale: does the term describe a whole living thing, a group of cells, or a process happening at the cell membrane? Sorting the terms this way before you match them can help narrow down the choices.

Check your answers against the answer key only after you have matched every term.

Match the pairs

Column A		Column B
A. organism	_____	1. Blood transport system
B. tissue	_____	2. Cells organized for a common function
C. organ	_____	3. Cell boundary in animals
D. diffusion	_____	4. Gas exchange system
E. osmosis	_____	5. Tissues combined for a major function
F. membrane	_____	6. Movement driven by concentration differences
G. respiration	_____	7. A complete living system
H. circulation	_____	8. Water movement across cell membranes

Answer key

- **A** matches **7** (organism: A complete living system)
- **B** matches **2** (tissue: Cells organized for a common function)
- **C** matches **5** (organ: Tissues combined for a major function)
- **D** matches **6** (diffusion: Movement driven by concentration differences)
- **E** matches **8** (osmosis: Water movement across cell membranes)
- **F** matches **3** (membrane: Cell boundary in animals)

- **G** matches **4** (respiration: Gas exchange system)
- **H** matches **1** (circulation: Blood transport system)