

Cells and Systems: Match the Term

Every living thing, from a single amoeba to a hockey player sprinting down the ice, is built from cells that organize into bigger working units. Grade 8 science looks at how organisms are structured from the cell up: cells form tissue, tissue forms organs, and organs work together in systems like respiration and circulation to keep the body running ([Outcome](#), [Outcome](#), [Outcome](#), [Topic](#)). Along the way, you also study how substances move into and out of cells through the cell membrane, using processes called diffusion and osmosis ([Outcome](#), [Outcome](#)). This game checks whether you can match each term to what it actually means.

How to play

Match each term on the left to its correct definition on the right. Work through the ones you know first, then use the process of elimination for the rest. There are 8 terms in total, drawn straight from the Cells and Systems unit ([Topic](#)).

Before you check the answer key, cover it with a sheet of paper or your hand so you are not tempted to peek early.

Column A		Column B
A. organism	_____	1. A plant, animal, or microorganism
B. tissue	_____	2. Muscle, nerve, or skin
C. organ	_____	3. Water moving into or out of a cell
D. diffusion	_____	4. Passive transport of molecules across a cell membrane
E. osmosis	_____	5. Lungs and airways
F. membrane	_____	6. Cell wall in plants; cell membrane in animals
G. respiration	_____	7. Heart and blood vessels
H. circulation	_____	8. Heart, lung, or stomach

Answer key

- **A** matches **1** (organism: A plant, animal, or microorganism)
- **B** matches **2** (tissue: Muscle, nerve, or skin)
- **C** matches **8** (organ: Heart, lung, or stomach)
- **D** matches **4** (diffusion: Passive transport of molecules across a cell membrane)
- **E** matches **3** (osmosis: Water moving into or out of a cell)
- **F** matches **6** (membrane: Cell wall in plants; cell membrane in animals)
- **G** matches **5** (respiration: Lungs and airways)
- **H** matches **7** (circulation: Heart and blood vessels)