

Cells and Systems Match-Up

Every organism, from a single bacterium to a whale, is built from the same basic unit: the cell. In Grade 8, you investigate living things and apply scientific ideas to interpret their general structure, function and organization, including how different organisms have similar functions that are met in a variety of ways. This game reviews key terms from that unit related to living things and their structure and function. Understanding how these words connect is central to seeing living things as balanced systems ([Topic](#)).

How to play

1. Look at the term list and the definition list below.
2. Match each term to its correct definition by writing the matching letter or number beside it.
3. Every term has exactly one correct match. Work through the ones you know first, then use the process of elimination for the rest.
4. Check your answers against the answer key only after you finish.

Column A		Column B
A. organism	_____	1. Involves the lungs and airways
B. tissue	_____	2. Examples include the heart, lungs, and stomach
C. organ	_____	3. Type of diffusion involving water
D. diffusion	_____	4. Found in both plant and animal cells; controls the movement of materials into and out of the cell
E. osmosis	_____	5. A complete living thing made up of one or more cells
F. membrane	_____	6. Involves the heart and blood vessels
G. respiration	_____	7. Made up of cells; found in organs
H. circulation	_____	8. Movement of particles from an area of higher concentration to lower concentration

Answer key

- **A** matches **5** (organism: A complete living thing made up of one or more cells)
- **B** matches **7** (tissue: Made up of cells; found in organs)
- **C** matches **2** (organ: Examples include the heart, lungs, and stomach)
- **D** matches **8** (diffusion: Movement of particles from an area of higher concentration to lower concentration)
- **E** matches **3** (osmosis: Type of diffusion involving water)
- **F** matches **4** (membrane: Found in both plant and animal cells; controls the movement of materials into and out of the cell)
- **G** matches **1** (respiration: Involves the lungs and airways)

- **H** matches **6** (circulation: Involves the heart and blood vessels)

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