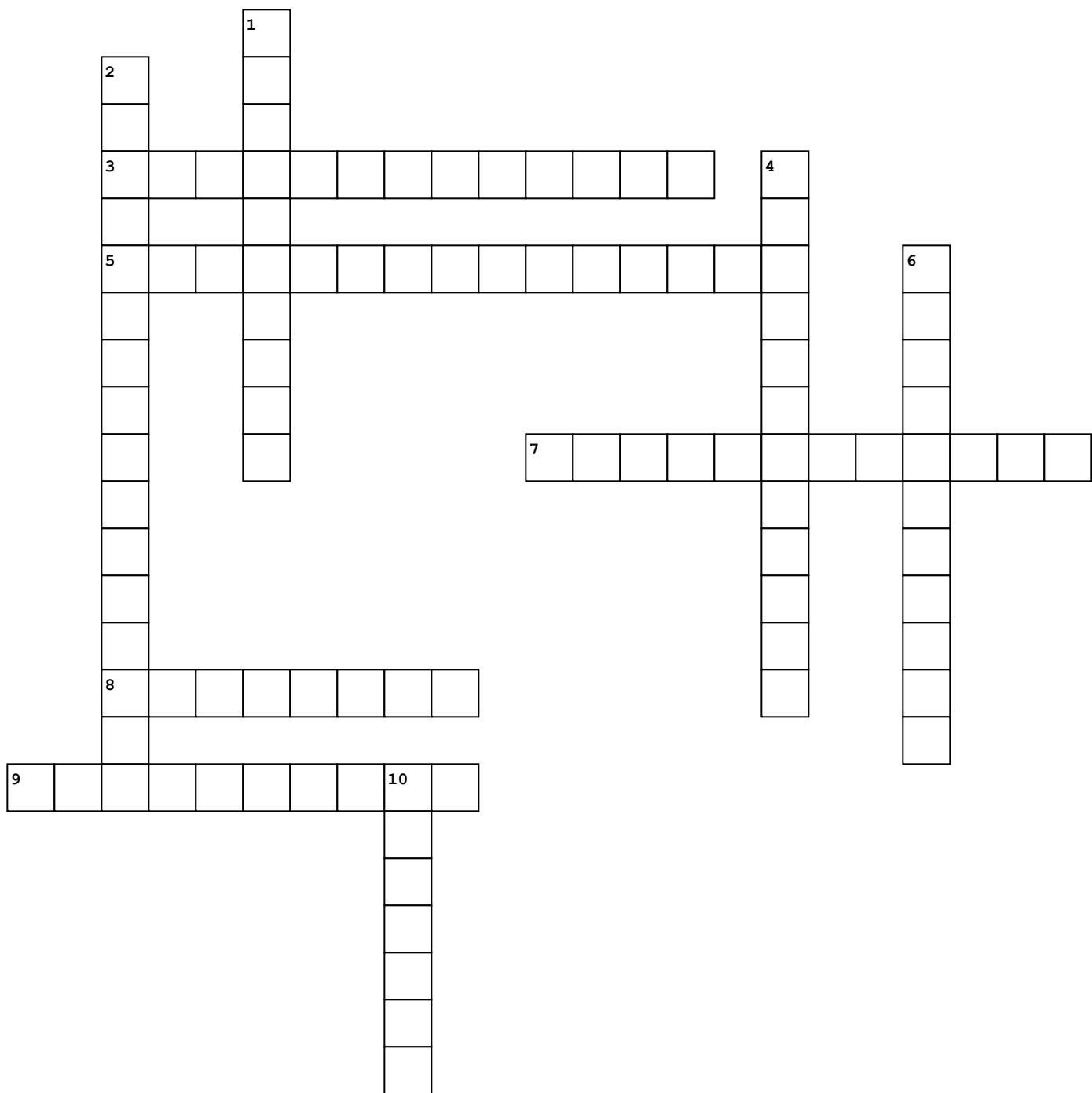


Root hair cells



Across

3. Root hair cells have a high ____ of ions and sugars in their vacuoles and cytoplasm.
5. Root hair cells use this process to absorb mineral ions against a concentration gradient.
7. Unlike other plant cells, root hair cells do not contain this organelle.

Down

1. Root hair cells only remain ____ for a few weeks.
2. Root hairs are the ____ in plants.
4. Root hair cells have a lot of this organelle.
6. Root hair cells have a large ____ for absorption.
10. The process root hair cells use to absorb water.

8. Root hair cells have a thin ____ so that the diffusion pathway for osmosis is shorter.

9. Root hair cells are responsible for ____ of water and mineral ions.