

Formative Assessment
Kingdom Plantae — Classification of Plants | Grade 8 Science

Name:

Date:

Part I — Vocabulary Match-Up (10 points)

Match each term in Column A with its definition in Column B. Write the letter of your answer in the blank.

	Column A	Column B
	1. Vascular plant	a. A plant that lacks vascular tissue
	2. Nonvascular plant	b. Tissue that carries water and minerals up from the roots
	3. Xylem	c. Tissue that carries food from the leaves to the rest of the plant
	4. Phloem	d. The simple, undifferentiated body of a nonvascular plant
	5. Thallus	e. The waxy layer that limits water loss
	6. Cuticle	f. Root-like structure that anchors nonvascular plants to the ground
	7. Rhizoid	g. The generation that produces gametes (sex cells)
	8. Gametophyte	h. The generation that produces spores
	9. Sporophyte	i. Part of a seed that becomes the first leaf
	10. Cotyledon	j. A plant with tissues that transport water and food

Part II — True or False: Fix It! (8 points)

Write T if the statement is TRUE, F if it's FALSE.

Statement
1. Vascular plants move water and food through cell-to-cell diffusion.
2. Gymnosperms produce seeds enclosed inside a fruit.
3. Mosses belong to the division Bryophyta.
4. Ferns are examples of nonvascular plants.
5. Monocot seeds have two cotyledons.
6. A liverwort's thallus is lobed, resembling an animal's liver.
7. Angiosperms are the only plant group that produces flowers.
8. Dicot leaves have parallel veins.