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.

LIVEWORKSHEETS