

NAME _____ KEY _____ HR _____ DATE _____

Kingdom Plantae: Builders of Biomes

1. Where are all plants on Earth believed to have evolved from?

GREEN ALGAE

2. How do green algae store food?

AS STARCH

3. Where do most green algae live?

FRESHWATER

4. What are two raw materials important to photosynthesis?

LIGHT & CO₂

5. What is the nonvascular group that arose from green algae?

BRYOPHYTES

6. Is the antheridium male or female?

MALE

7. What are the 2 types of vascular tissue?

XYLEM & PHLOEM

8. What type of material does phloem carry?

SUGARS

9. What are the functions of "true roots"?

ANCHOR & ABSORB

10. How many species of modern horsetails are there?

15

11. What feature makes ferns more successful than other seedless vascular plants?

BROAD LEAVES

12. How does the sperm get from the antheridia to the archegonia?

SWIM (IN THIN FILM OF WATER)

13. Is the gametophyte large or small? diploid or haploid?

SMALL & HAPLOID

14. What are seeds of plants analogous/comparable to?
EGGS OF BIRDS OR REPTILES
15. What does “Gymnosperms” translate as?
NAKED SEED
16. “Ginkgos are more resistant to AIR POLLUTION than many other trees.”
17. What does the reproductive structure of a cycad look like?
GIANT CONE
18. Is the male or female cone larger?
FEMALE
19. “Flowers attract ANIMAL pollinators.”
20. What does angiosperm mean in Greek?
ENCLOSED SEED
21. Grapes, oranges, peppers & tomatoes are all classified as FRUITS in the biological sense.
22. “BROAD leaves capture more sunlight.”
23. How many seed-leaves do dicots start with?
2
24. How many petals do monocots usually have?
3 (OR MULTIPLES OF 3)
25. What animal is completely dependent upon the Eucalyptus tree for food and shelter?
KOALA