# AP Biology – Who Am I? Name & Date:

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| **20.** |

1. single-celled, heterotroph, peptidoglycan cell wall, circular DNA but no nuclear envelope, reproduce by binary fission, who am I?
2. single-celled autotroph, cell wall, aquatic, cause “blooms” in polluted waters, who am I?
3. soil-dweller, specialized for nitrogen-fixation, who am I?
4. single-celled extremophile, living in high temperature or high salinity environments, who am I?
5. aquatic, single-celled, contains numerous chloroplasts, flagellated, reproduce by mitosis, who am I?
6. aquatic, single-celled, heterotroph, pseudopodial movement, who am I?
7. photosynthetic, unicellular, silica cell wall, eukaryotic algae, most common type of phytoplankton, who am I?
8. eukaryotic autotroph, terrestrial, multicellular, lacking vascular tissue, who am I?
9. tracheophyte, male gametophyte (pollen grains) produced in male cones, naked seeds, who am I?
10. photosynthetic, cell wall, multicellular, insect pollinated, has seeds, fruits and flowers, who am I?
11. saprobe: heterotrophic by absorption, forms mycorrhizae around and in plant roots, who am I?
12. heterotroph, chitinous cell wall, multinucleated filamentous hyphae forms symbiotic relationship with plant roots, who am I?
13. heterotroph, no cell wall, multicellular, possesses a dorsal nerve cord, notochord & and pharyngeal slits during development, who am I?
14. vertebrate, external fertilization, external development, gills, 2-chambered heart, who am I?
15. vertebrate, external fertilization, external development, lungs, 3 chambered heart, needs water for reproduction, who am I?
16. vertebrate, internal fertilization, external development in amniotic egg, lungs, 3-chambered heart, who am I?
17. vertebrate, internal fertilization, external development in amniotic egg, lungs, 4-chambered heart, who am I?
18. vertebrate, internal fertilization, internal development, lungs, mammary glands, 4-chambered heart, who am I?
19. vertebrate, internal fertilization, internal development but must be completed externally in pouch, lungs, 4- chambered heart, who am I?
20. vertebrate, internal fertilization, external development in amniotic egg, lungs, fur, milk production, 4-chambered heart, who am ?