1) 4 2) 2 3) 1 4) 3 5) 1

6) 1 7) 3 8) 2 9) 4 10) 3

11) 1 12) 3 13) 2 14) 2 15) 4

16) SAMPLE ANSWER: If food is not available, the euglena can make its own food.

17) 1 18) 2 19) 4 20) 3

21) SAMPLE ANSWERS:
(1) gas exchange OR respiration OR photosynthesis;
(2) Guard cells change shape. OR Guard cells change the size of the leaf openings.;
(3) prevents excess evaporation of water on sunny days OR prevents the entrance of some pollutants

22) 2 23) 1 24) 4 25) 3 26) 1

27) 2 28) 4 29) 1 30) 4 31) 2

32) 4 33) 3 34) 2 35) 1

36) SAMPLE ANSWERS: cellular respiration OR respiration

37) SAMPLE ANSWERS: respiration OR cellular respiration

38) SAMPLE ANSWERS: Carbon dioxide is moving from high to low concentration. OR Active transport moves materials from low to high concentration and the CO_2 is moving from high to low.

39) SAMPLE ANSWERS: Bicarbonate ion (HCO_3^-) production would decrease (or stop). OR CO_2 would not become part of HCO_3^-.

40) glucose OR sugar; photosynthesis

41) carbon dioxide OR CO_2; respiration

42) SAMPLE ANSWERS: oxygen (O_2) OR glucose ($C_6H_{12}O_6$) OR sugar

43) chloroplast

44) mitochondrion

45) SAMPLE ANSWERS:
Photosynthesis: (2) chloroplast; (3) CO_2 and H_2O; (4) glucose; (5) to produce ATP OR to produce starch; (6) The gas... is used for respiration OR provides O_2 for respiration;
Respiration: (2) mitochondrion; (3) organic molecules and O_2 OR sugar and oxygen; (4) ATP; (5) to provide energy for metabolism; (6) Respiration provides CO_2 for photosynthesis. OR The gas is used for photosynthesis.

46) SAMPLE ANSWERS: plants OR autotroph OR producer OR trees

47) SAMPLE ANSWERS: to make food molecules small enough to be transported (or diffused) OR so that energy can be released

48) SAMPLE ANSWER: respiration

49) SAMPLE ANSWERS: ATP OR energy