Year 9 Science: Diffusion, photosynthesis and respiration

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Explain, using the word concentration, why oxygen moves from the blood into a muscle cell.

2. Write the word equation for photosynthesis and name where in the cell it happens.

3. Jelly babies left in water swell up. Write a testable question about temperature and say what you would measure and keep the same.

4. Germinating peas in a sealed flask warm up, and limewater connected to the flask turns milky. Which process is happening and what two pieces of evidence show it?

5. Is a plant respiring at night, photosynthesising, or both? Explain.

Fix the mistake

6. Correct this statement: "Plants photosynthesise and animals respire."

7. Correct this statement: "Respiration is the same thing as breathing."

8. Correct this statement: "Particles diffuse because they want to spread out into empty space."

9. Correct this statement: "Photosynthesis makes energy for the plant."