🌿 Algae & photosynthesis notes (A1-A4.5) · ANSWER KEY

Biology A · Unit 2 Algae & Photosynthesis · Level 2 guided notes. Use with the class slides.

Name: _____

Fill in each blank with a word from the word bank in that box. Each word is used one time.

A. Algae and microscopes (A1)

1. Clean microscope lenses with lens **paper**.
2. Always find your object on **low** power first.
3. Total magnification = eyepiece × **objective**.
4. Match the objective to the total magnification (10x eyepiece):

(Key: 4x → 40x · 10x → 100x · 40x → 400x)

4x	400x
10x	100x
40x	40x

Word bank: **low** **objective** **paper**

B. Photosynthesis (A4 Pop beads)

5. Photosynthesis happens in the **chloroplasts**.
6. Light energy becomes stored **chemical** energy.
7. The light reactions split **water** and release oxygen.
8. Circle the 3 INPUTS of photosynthesis:

carbon dioxide **water** **light** oxygen glucose

Word bank: **chemical** **chloroplasts** **water**

C. Stomata and BTB (A4.5, Elodea & snails, A2)

9. Stomata are tiny pores that let **gases** in and out.

10. Guard **cells** open and close the stomata.

11. BTB turns **yellow** when CO2 goes up.

12. Number the algae lab steps (1-4):

2 add algae and BTB

4 observe for 4 days

1 label 3 tubes

3 add dish soap or fertilizer

Word bank: **cells** **gases** **yellow**

Level 2 version of the gen ed "A1 A Look at Algae, A4 Pop Bead Photosynthesis, A4.5 Stomata Peel, stomata review, Elodea & snails, A2 Algae lab."

🔑 *Key written by our team from Ms. Dunham's materials, please check.*