

CELL POSTER LAB

name _____ hr ____/14

Use page 10 and pages 12-18 in your book to guide you
[GREEN BOOK—CELLS, HEREDITY AND CLASSIFICATION]

- 1 Fold your paper / poster in half
- 2 On one side draw a large circular cell and label it “animal cell” in neat letters at the top
- 3 On the other side draw a large square shaped cell and label it “plant cell” in neat letters at the top
- 4 Draw all the organelles found in an animal cell and label them with their names (nucleus, mitochondria, golgi apparatus, endoplasmic reticulum, ribosomes, lysosomes, cell membrane, cytoplasm) (8pts)
- 5 Draw all the organelles found in a plant cell and label them with their names (nucleus, mitochondria, golgi apparatus, endoplasmic reticulum, ribosomes, lysosomes, cell membrane, cell wall, vacuole, chloroplast, cytoplasm) (11 pts)

ANALYSIS:

1. What is the function of the cell membrane?

2. What is the function of the nucleus?

3. What is the function of the ribosomes? (they are on the endoplasmic reticulum)

4. What is the function of the golgi apparatus (golgi complex)?

5. What is the function of membrane proteins?

6. What is the function of the mitochondria?

7. What is the function of the microtubules (the cytoskeleton)?

8. What is the function of lysosomes?

9. What is the function of vacuoles?

10. What is the function of chloroplasts?

11. What three organelles do plant cells have that animal cells do not have?

12. Why don't animal cells have chloroplasts?
