

**PRACTICAL BIOLOGY REVIEW LIST:**

**1. WHAT DID THE FOLLOWING SCIENTIST DO?**

**a. ANTON VAN LEEUWENHOEK**

**b. ROBERT HOOKE**

**c. MATTHIAS SCHLEIDEN**

**d. THEODOR SCHWANN**

**e. RUDOLF VIRCHOW**

**f. ROBERT BROWN**

**i. KNOW THEM BY LAST NAME MAINLY!**

**2. LIST THE 3 PARTS OF THE CELL THEORY**

**3. WHAT ARE THE FUNCTIONS OF THE FOLLOWING CELL PARTS?**

**a. CELL MEMBRANE**

**b. CELL WALL**

**c. CYTOPLASM**

**d. NUCLEUS**

**e. NUCLEOLUS**

**f. ENDOPLASMIC RETICULUM**

**g. RIBOSOME**

**h. GOLGI APPARATUS**

**i. LYSOSOME**

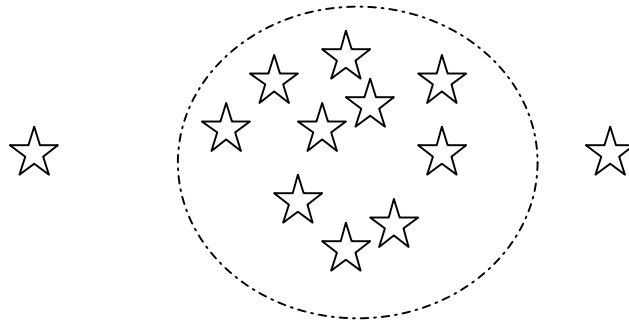
**j. MITOCHONDRIA**

**k. VACUOLE**

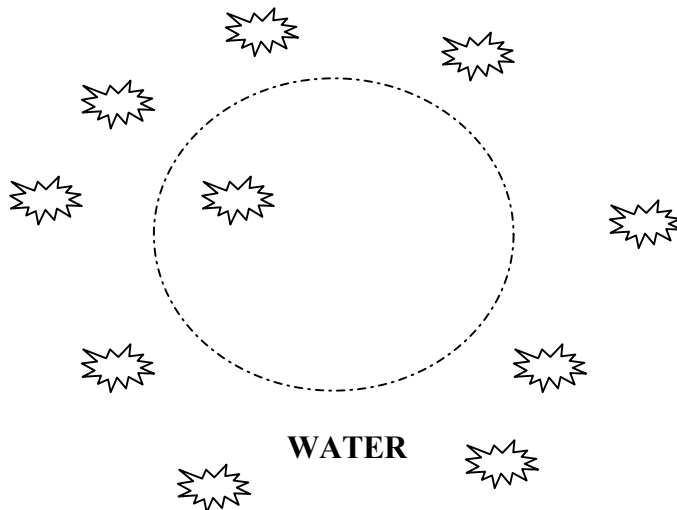
**l. CHLOROPLAST**

**4. LOOK AT “CELLS” “A” & “B”**

- a. WHICH IS DIFFUSION?
- b. WHICH IS OSMOSIS?
- c. WHICH DIRECTION WILL THE MATERIAL MOVE?
- d. HOW MUCH MATERIAL WILL MOVE?



**SALT**



**WATER**

**5. KNOW EACH OF THE FOLLOWING TERM DEFINITION & EXAMPLE**

- a. CELL
- b. TISSUE
- c. ORGAN
- d. ORGAN SYSTEM
- e. ORGANISM