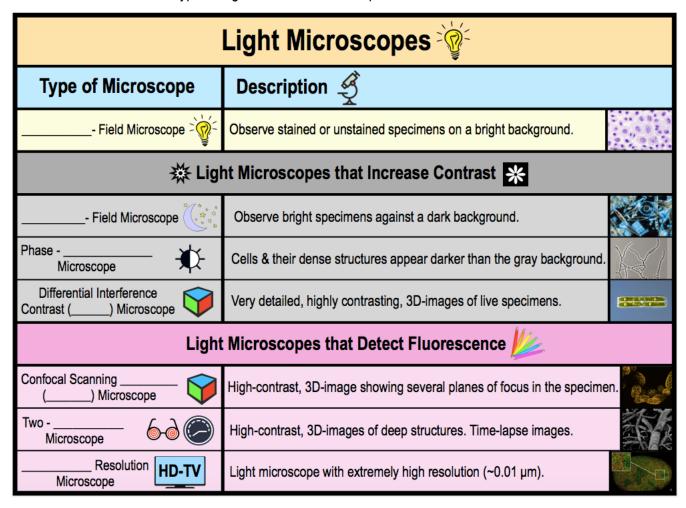
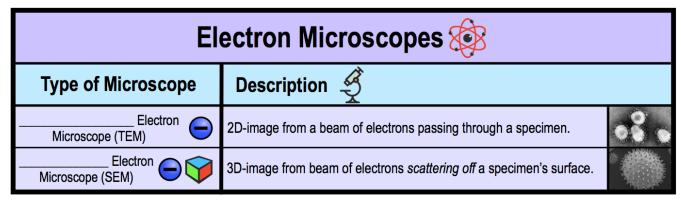
## **CONCEPT:** REVIEWING THE DIFFERENT TYPES OF MICROSCOPES

• Now let's review the different types of light & electron microscopes.





## **CONCEPT:** REVIEWING THE DIFFERENT TYPES OF MICROSCOPES

**PRACTICE:** Match the microscope with its function.

## **Types of Microscopes:**

- A. Confocal Scanning Laser (CSL) Microscope.
- B. Bright-Field Microscope.
- C. Phase-Contrast Microscope.
- D. Transmission Electron Microscope (TEM).
- E. Dark-Field Microscope.
- F. Two-Photon Microscope.
- G. Super Resolution Microscope.
- H. Scanning Electron Microscope (SEM).
- I. Differential Interference Contrast (DIC) Microscope.

1.	Creates high contrast, 3D images of deep structures and time lapse images.
2.	Creates 2D images from a beam of electrons passing through a specimen.
3.	Creates images where the specimen's dense structures appear darker than the gray background.
4.	Allows the scientist to view stained or unstained specimens on a bright background.
5.	A light microscope with extremely high resolution.
6.	Creates 3D images from a beam of electrons scattering off a specimen's surface.
7.	Creates very detailed, high contrast, 3D images of live specimens.
8.	Allows the scientist to view specimens against a dark background.
9.	Creates high contrast, 3D images that show several planes of focus in the specimen.