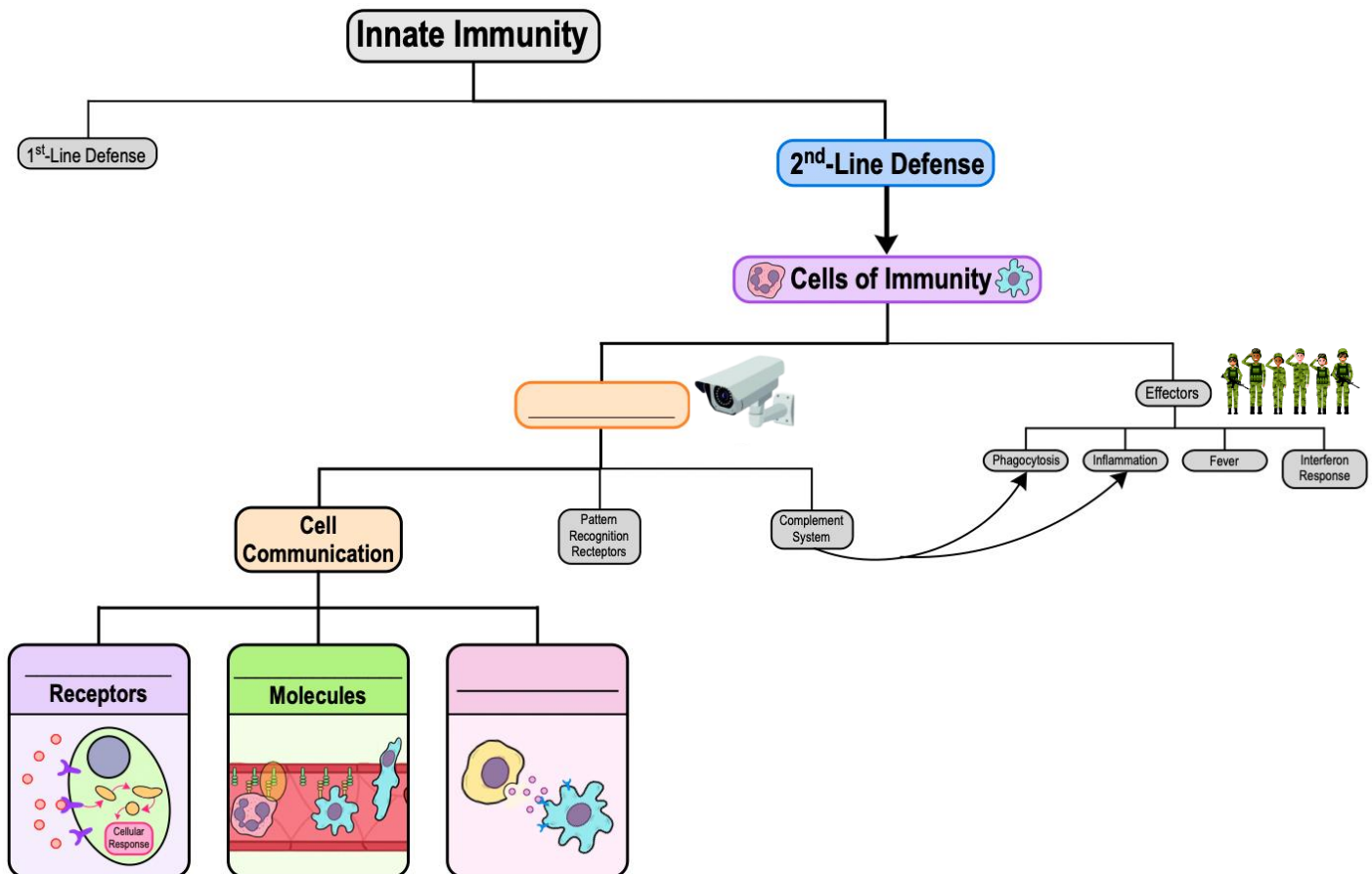


## CONCEPT: INTRODUCTION TO CELL COMMUNICATION

- Cells of the immune system must \_\_\_\_\_ to coordinate attacks on invading microbes.
  - Communication is critical for innate *scanning systems* to detect & alert/activate other immune components.

## Map of the Lesson on Cell Communication

- There are \_\_\_\_\_ components important for cell communication:
  - 1) Cell Surface Receptors.
  - 2) Adhesion Molecules.
  - 3) Cytokines.



**PRACTICE:** Which of the following is a form of cell communication that may be used during an immune response?

- a) Cells infected with a virus sending signals to prepare neighboring cells for viral infection.
- b) Electrical signals traveling between the cells of the heart to cause heart muscle contractions.
- c) Growth hormones signaling to the cells to increase tissue growth.
- d) Stress hormones triggering the “fight or flight” response in the body.