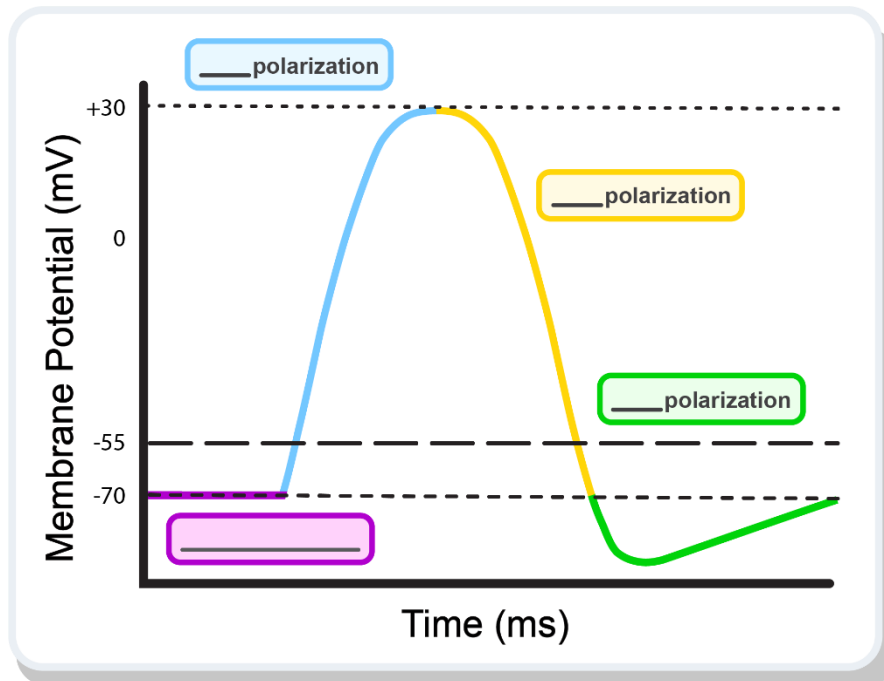


TOPIC: CHANGE IN MEMBRANE POTENTIAL

- Create two types of signals: 1) _____ potentials 2) _____ potentials.
- Important Terminology:

Polarized	Depolarization	Repolarization	Hyperpolarization
Inside of membrane is _____ (about -70 mV).	Inside of membrane becomes more positive.	Inside of membrane becomes more _____.	Inside of membrane becomes _____ negative than resting potential.
Cell at resting potential.	Temporary _____ in membrane potential.	Return to resting potential.	Temporary increase in membrane potential.

EXAMPLE: The following graph depicts membrane potential along the Y axis and time along the X axis. Fill out the graph with the terminology: polarized, depolarization, repolarization, hyperpolarization.



PRACTICE: A neuron's membrane potential goes from -90 mV to -10 mV. Which of the following terms describes this change?

- a) Hyperpolarization.
- b) Polarization.
- c) Depolarization.
- d) Repolarization.