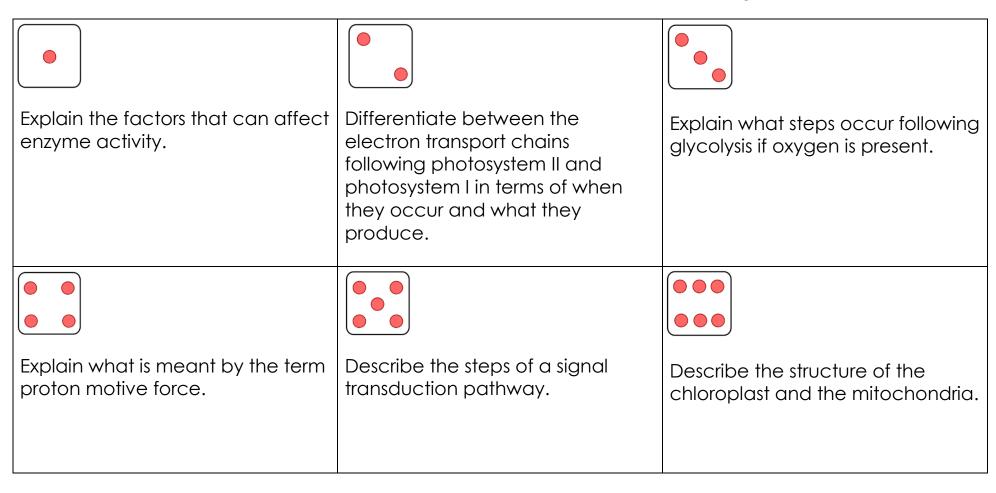
# AP Biology Review Think Dots Unit One- Biochemistry and Cellular Structure and Function

Describe the four levels of protein structure.	How does water's polarity influence its unique properties? Be detailed.	Compare and contrast lipids and carbohydrates.
Differentiate between the structures of RNA and DNA.	What are the organelles in the endomembrane system? Explain how they work together.	Describe the structure of the plasma membrane in detail.

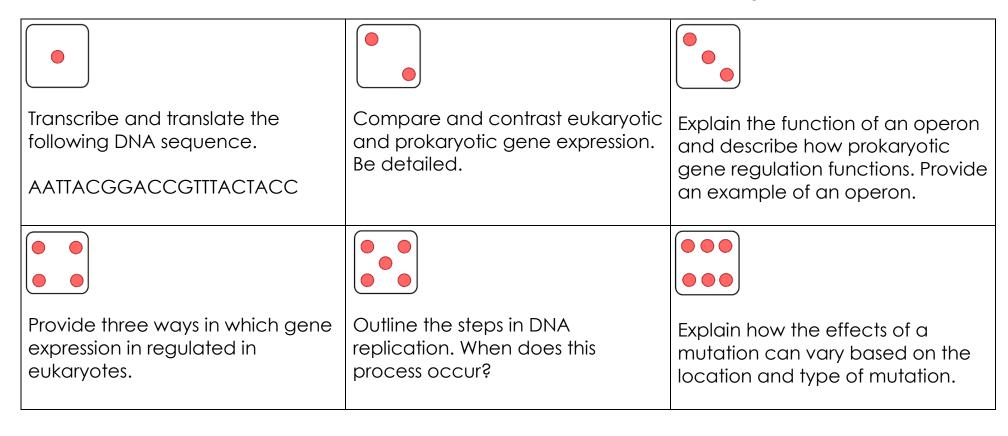
## AP Biology Review Think Dots Unit Two- Cellular Energetics



# AP Biology Review Think Dots Unit Three- Mendelian Genetics

Outline and describe the steps of mitosis.	Compare and contrast mitosis and meiosis.	Explain the role of cyclin and CDKs in regulation of the cell cycle.
What are the main differences between production of sperm and eggs.	If two heterozygotes mate what is the probability that they will have homozygous offspring?	Outline Mendel's laws.

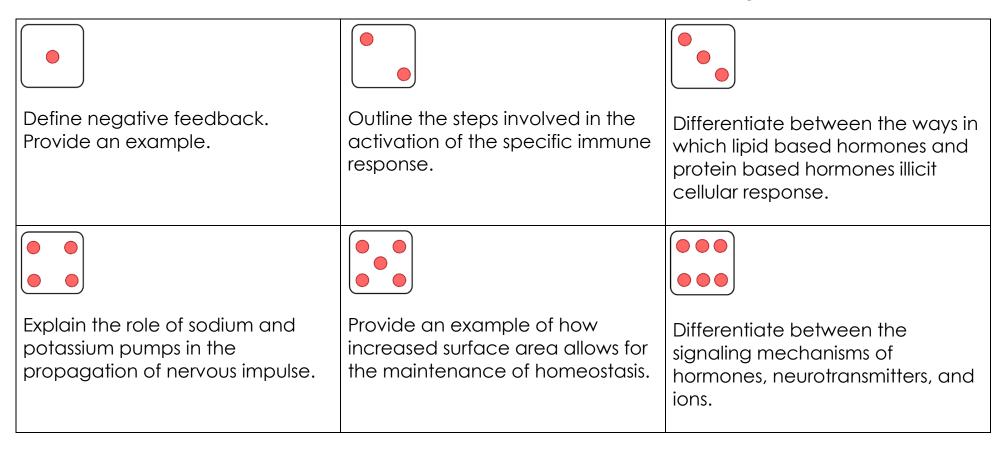
### AP Biology Review Think Dots Unit Four- Molecular Genetics



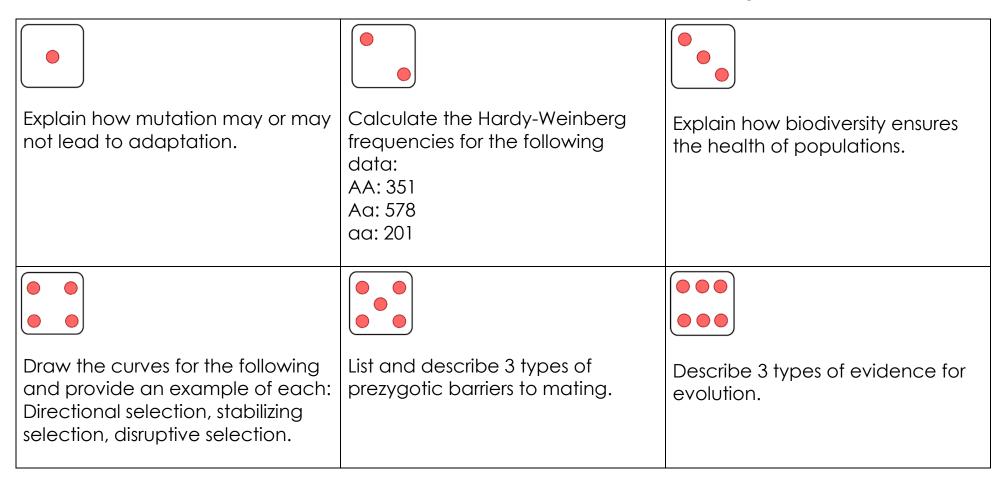
## AP Biology Review Think Dots Unit Five- Plant Structure and Function

Identify the male and female parts of the flower.	Explain the role of guard cells in transpiration and gas exchange.	Outline the steps involved in the plant systemic response to infection.
Provide one example of the role of pheromones in maintaining plant homeostasis. Explain.	Explain the steps involved in seed germination.	Provide one example of a type of pollinator or seed dispersal method. Describe what a pollen grain or seed would look like that is dispersed via this method.

# AP Biology Review Think Dots Unit Six- Animal Anatomy and Physiology



### AP Biology Review Think Dots Unit Seven- Evolution



## AP Biology Review Think Dots Unit Eight- Ecology

