



Quiz

Which of the following cell constituents most likely function as drug receptors?

- A) G-proteins
- B) Ion channel proteins
- C) Cyclic AMP
- D) Membrane lipids
- E) Water molecules

Pharmacodynamics is best described as the study of which of the following?

- A. Variations in medication response due to genetic makeup
- B. What a medication does to the body
- C. What the body does to the medication
- D. Which medications treat which diseases





Quiz

Pharmacodynamics involves the study of following EXCEPT:

- Biological and therapeutic effects of drugs
- Absorption and distribution of drugs
- Mechanisms of drug action
- Drug interactions





Quiz

Target proteins which a drug molecule binds are:

- Only receptors
- Only ion channels
- Only carriers
- All of the above





Quiz

An agonist is a substance that:

- Interacts with the receptor without producing any effect
- Interacts with the receptor and initiates changes in cell function, producing various effects
- Increases concentration of another substance to produce effect
- Interacts with plasma proteins and doesn't produce any effect





Quiz

Select the second messenger of G-protein-coupled (metabotropic) receptor:

Adenylyl cyclase

Sodium ions

Phospholipase C

cAMP

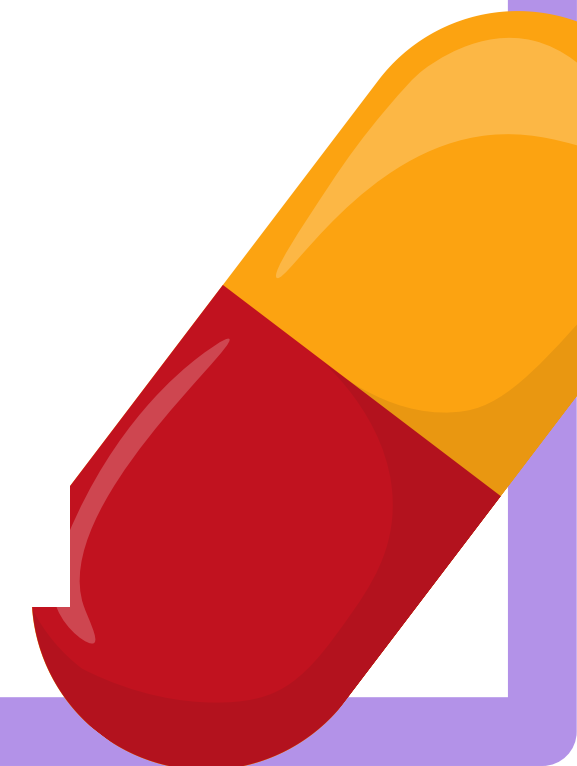




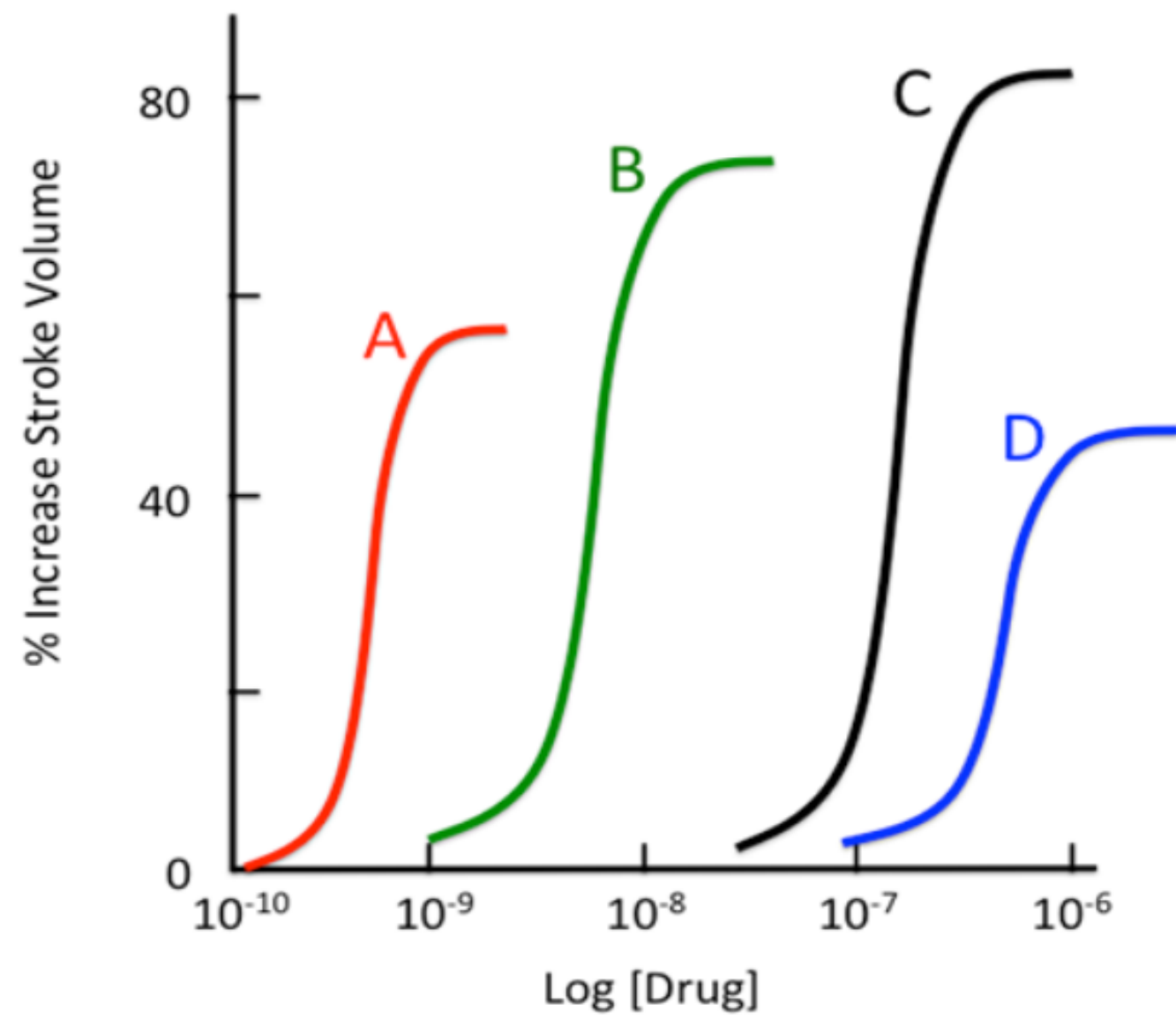
Quiz

What does "affinity" mean?

- A measure of how tightly a drug binds to plasma proteins
- A measure of how tightly a drug binds to a receptor
- A measure of inhibiting potency of a drug
- A measure of bioavailability of a drug



Dose response data was collected during the preclinical testing of four drugs for the treatment of acute heart failure. Which drug studied was the most efficacious?



A
B
C
D





Quiz

9. Which one is the fastest acting receptor _____.

- a) Kinase linked receptor
- b) G- Protein coupled receptors
- c) Ligand-gated ion channels
- d) Intra cellular receptor





Quiz

10. Ligand gated ion channel is also known as _____.

- a) Kinase linked receptor
- b) G- Protein coupled receptors
- c) Ion channels receptor
- d) Intra cellular receptor





Quiz

11. Which of the following is not a type of cellular receptor?

- a) Tyrosine kinase receptor
- b) G-protein coupled receptor
- c) Endocrine receptors
- d) Intracellular/nuclear receptor.





- 1)B
- 2)B
- 3)B
- 4)D
- 5)B
- 6)D
- 7)B
- 8)C
- 9)C
- 10)C
- 11)C

