

#### A.4.8. The Smooth Muscle MCQ's

1. Which ion is responsible for the depolarization of the action potential in smooth muscles?
  - a. sodium ions
  - b. potassium ions
  - c. calcium ions
  - d. chloride ions
  - e. manganese ions
  
2. Which ion is responsible for the repolarization of the action potential in smooth muscles?
  - a. sodium ions
  - b. potassium ions
  - c. calcium ions
  - d. chloride ions
  - e. manganese ions
  
3. Which of the following smooth muscle tissues do NOT show an action potential when stimulated?
  - a. the arteries
  - b. the stomach
  - c. the small intestine
  - d. the bladder
  - e. the uterus
  
4. Which of the following smooth muscle tissues show two types of action potentials, one on top of the other?
  - a. the arteries
  - b. the veins
  - c. the stomach
  - d. the small intestine
  - e. the bladder

**Answers:**

1. c.
2. b.
3. a.
4. d.