

### Castle Crasher: Lesson 3 - Check Your Understanding

## Challenge Activity Questions

1. Which of the following is true of the Field that Sense and Sweep is played on?
  - a. It is a 4' x 4" Field with no walls that is raised off the ground.
  - b. It is a 4' x 4' Field with walls on one side.
  - c. It is a 4' x 6' Field with walls all the way around it.
  - d. It is a 3' x 4' Field with no walls.
2. Which of the following best describes the goal of the Sense and Sweep challenge?
  - a. To drive around the Buckyballs on the Field without touching them in the fastest time
  - b. To detect and push all four Buckyballs off the Field in the fastest time
  - c. To remote-control drive your robot to push the blue Buckyballs off the Field in the fastest time
  - d. To drive your robot around the perimeter of the Field and collect the red Buckyball
3. Where does your team's robot start in the Sense and Sweep Challenge?
  - a. The robot starts between the red and green lines on the Field
  - b. The robot starts along the outer perimeter of the Field
  - c. The robot starts in the bottom left corner of the Field
  - d. The robot starts in the center of the Field
4. What happens if a robot falls off the Field in the Sense and Sweep Challenge?
  - a. The game is over.
  - b. The timer stops and the Field is reset.
  - c. The robot is placed back in the starting position, and a 30 second penalty is added to the time of the run.
  - d. The robot is placed anywhere on the Field and there is no penalty.
5. Which of the following is FALSE of the Sense and Sweep Challenge?
  - a. The robot and any additions, including sensors, must be made from the EXP Kit
  - b. The gameplay is driver controlled
  - c. It is a timed trial competition
  - d. The gameplay is completely autonomous