



Pop Quiz 1

Which of the following type of wheels are suitable for best traction in SumoBots?

- 5 A small
- B large
- C tank tracks
- D medium

Touch sensors can detect -

- 6 A Infrared light.
- B sound and returns a voltage proportional to the sound level.
- C the presence of a nearby object within a given distance, without any physical contact.
- D when the robot is being pushed from behind or from the side to encounter the opponent.

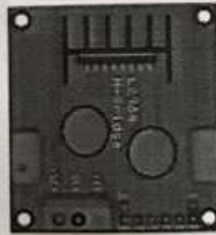
Which kind of robot is best suitable for the statement below?

"The size of the robots is smaller and lightweight so it can easily flick the opponent off."

- 7 A Consumer robot
- B Fast robot
- C Intelligent robot
- D Soccer robot

Bonus: Write down the name of each of the components below:

8



TOTAL MARKS


/ 10




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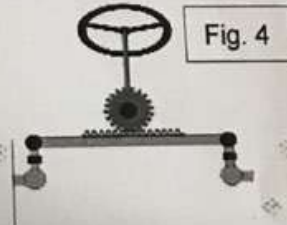
Grade	12 GENERAL	Chapter / Section	2.1 – Vehicle Design Specifications 3.1 – Introducing SumoBot
Student Name		Class	
		Date	

Answer at least 5 questions:

1	_____ type of drivetrain is shown in Fig. 3.		 <p>Fig. 3</p>
	A	Belt and pulley	
	B	Chain and sprocket	
	C	Gears	
	D	Rope	

2	Which type of chassis design is shown in Fig. 1?		 <p>Fig. 1</p>
	A	Backbone	
	B	Body on frame	
	C	Perimeter frame	
	D	Unibody	

3	Self-operated robots are called _____ robots.	
	A	autonomous
	B	controlled
	C	entertainment
	D	humanoid

4	_____ type of steering mechanism is shown in Fig. 4.		 <p>Fig. 4</p>
	A	Automatic	
	B	Crab	
	C	Rack and Pinion	
	D	Skid	