

1. Natural vs Artificial

ROBO CHECK

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|-------------------|-----------|----------|--------------|---------|
| A. 1. (iii) | 2. (i) | 3. (iii) | 4. (i) | 5. (ii) |
| B. 1. T | 2. F | 3. T | 4. F | 5. T |
| C. 1. Human-made | 2. Humans | 3. Food | 4. Decisions | |
| 5. Natural things | | | | |

COMPETENCY-BASED QUESTIONS

- The bird is natural and the plane is artificial.
- Artificial Intelligence.

CASE STUDY

- Natural things grow in nature, like the trees and plants in the garden. Artificial things are made by people, like the benches or pathways.
- Natural thing: Tree Artificial thing: Bench
- Natural things like trees give us air, food and shade, while artificial things, like benches, make life easier and help us sit and rest. Nature helps us live and human-made things help us learn and grow.

2. Meet the World of Robots

ROBO CHECK

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|--------------|----------|---------|----------|-------------|
| A. 1. (ii) | 2. (iii) | 3. (iv) | 4. (iii) | 5. (i) |
| B. 1. T | 2. T | 3. F | 4. T | 5. F |
| C. 1. Robots | 2. Think | 3. Head | 4. Wheel | 5. 50 years |

COMPETENCY-BASED QUESTIONS

1. The legs of the robot help it move and play with Sreerag.
2. Meena has a Roomba, a small robot that cleans the floor.

CASE STUDY

1. The robot's head shows emotions to interact with people.
2. It is important for the robot to have arms that can move so it can wave or shake hands.

3. Move Like a Robot: Coding Basics with Rodocodo



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|--------------|-------------|-------------|--------|----------|
| A. 1. (ii) | 2. (i) | 3. (i) | 4. (i) | 5. (iii) |
| B. 1. T | 2. F | 3. T | 4. T | 5. F |
| C. 1. Coding | 2. Blocks | 3. Movement | | |
| 4. Command | 5. Complete | | | |

COMPETENCY-BASED QUESTIONS

1. Delete button
2. Play button

4. Conductors, Insulators & Circuit Logic



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|----------------|--------------|----------|----------------|-----------|
| A. 1. (ii) | 2. (iii) | 3. (iii) | 4. (iii) | 5. (i) |
| B. 1. T | 2. F | 3. T | 4. F | 5. T |
| C. 1. Separate | 2. Voltmeter | 3. Label | 4. Electricity | 5. Switch |

COMPETENCY-BASED QUESTIONS

1. The bulb glows only with the metal spoon because metal is a conductor of electricity whereas plastic is an insulator.
2. Riya's house uses a parallel circuit.

