

Task 1: True or False?

1. RoboFly is heavier than a real housefly. [T / F]
2. The Stingray Robot uses living cells to move. [T / F]
3. Snakebots can only move in a straight line on flat surfaces. [T / F]
4. The Soft Robot moves by growing like a plant. [T / F]
5. Surgeons can use Snakebots inside the human body. [T / F]
6. RoboFly has real wings taken from an insect. [T / F]
7. The Stingray Robot reacts to light signals to turn or move. [T / F]
8. Soft Robots are made of hard metal and plastic. [T / F]
9. Bio-inspired robots take ideas from nature, animals, and plants. [T / F]
10. RoboFly can be used to monitor the environment or search for danger. [T / F]

Task 2: Matching (10 spojovaček)

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| 1. RoboFly | |
| 2. Snakebot | E) Synthetic material that acts like real muscle to move robot parts. |
| 3. Soft Robot | |
| 4. Stingray Robot | F) A robot that moves like a reptile and can bend easily. |
| 5. Surgeon | |
| 6. Rescue worker | G) A robot that expands and grows using liquid or air. |
| 7. Artificial muscle | |
| 8. Narrow space | H) A person who saves people from disasters and accidents. |
| 9. Environment | I) The natural world (nature, air, plants, animals around us). |
| 10. Bio-inspired | J) A robot modeled after a flat marine fish that reacts to light. |
- A)** A person who performs medical operations.
- B)** Inspired by living animals or plants.
- C)** A tiny flying robot weighing only 74 mg.
- D)** A tight or small place that is hard to reach.

Task 3: Multiple Choice Comprehension

1. **What is the weight of RoboFly?**
A) 74 mg B) 74 g C) 7.4 kg
2. **Which animal inspired the creation of RoboFly?**
A) A snake B) A fly / bee C) A stingray
3. **What makes the Stingray Robot move?**

- A) Solar energy B) Living muscle cells C) Gasoline engine
4. **How do scientists control the direction of the Stingray Robot?**
A) With light B) With sound C) With a smartphone app
 5. **Where can Snakebots travel**
A) Only in dry sand B) In narrow pipes, underwater, and inside bodies C) Only in the air
 6. **Who can use Snakebots during a disaster?**
A) Rescue teams searching for victims B) Pilots flying planes C) Chefs in a kitchen
 7. **How does the Soft Robot move forward?**
A) It grows using pressurized air or liquid B) It rolls on rubber tires C) It jumps using springs
 8. **What is the main advantage of soft robots over metal robots?**
A) They are much heavier B) They can bend, stretch, and adapt to difficult spaces C) They are made of gold
 9. **What does "bio-inspired" mean in robotics?**
A) Robots created by animals B) Robots designed based on nature and living organisms C) Robots built out of wood
 10. **What is one practical use for mini flying robots like RoboFly?**
A) Carrying heavy luggage B) Environmental monitoring and gas leak detection C) Driving cars

Task 4: Complete the Sentences

(*medical, grows, lighter, light, flexible, fly, nature, underwater, rescue, muscle*)

1. RoboFly is much _____ than a real coin.
2. Scientists get their ideas for new robots directly from _____.
3. The Stingray Robot reacts to pulses of _____.
4. Snakebots are very _____ and can bend around obstacles.
5. Soft robots move because the tube _____ like a growing vine.
6. The Stingray Robot uses living _____ cells.
7. Snakebots can be used in search and _____ operations after an earthquake.
8. Tiny robots can help doctors during complex _____ procedures.
9. Snakebots are waterproof, so they can operate _____.
10. RoboFly uses artificial muscles to flap its wings and _____.