

# Octopus Anatomy & Behavior Matching Activity

Match each term in Column A with the correct description in Column B. Write the letter of the correct description next to each number.

## Column A – Terms

1. Mantle
2. Branchial hearts
3. Systemic heart
4. Hemoglobin
5. Hemocyanin
6. Jet propulsion
7. Siphon
8. Blue blood
9. Crawling behavior

## Column B – Descriptions/Definitions

- A. A copper-based protein that carries oxygen in octopus blood and turns blue when oxygenated.
- B. A movement method where water is pushed out to help the octopus swim quickly.
- C. A tube-shaped body part that shoots water out during jet propulsion.
- D. A muscular sac that holds the octopus's organs and helps with breathing and movement.
- E. Two smaller hearts that pump blood to the gills so it can pick up oxygen.
- F. The main heart that pumps oxygen-rich blood to the rest of the body.
- G. A protein in human blood that uses iron to carry oxygen more efficiently.
- H. A behavior that helps the octopus conserve energy and breathe properly by avoiding swimming.
- I. The color of octopus blood caused by hemocyanin reacting with oxygen.

**Answer Key:**

1 - D

2 - E

3 - F

4 - G

5 - A

6 - B

7 - C

8 - I

9 - H