

Worksheet (2)

Model-making Project

Please make two models: “The Dual Circulatory System” and “Functioning of the Heart” based on the operational principles of the system.

Materials needed: 4 pumps, several rubber hoses, metal wires, 2 plastic bags, a pair of scissors and labels.

1. Draw a water pump and label all major parts of its structure. Indicate how each part corresponds to the structure of the heart.



2. Connecting the 4 pumps to form a dual circulatory system. Operate it and demonstrate its functions. Draw a diagram of your finished model.



3. Use the materials listed above to make a dual circulatory system model that includes the heart, the lungs and the body. Operate it and demonstrate its functions. Draw a diagram of your finished model with appropriate labels showing various parts of the circulatory system.

