



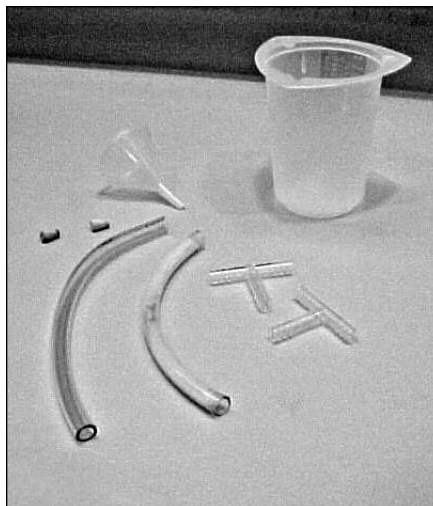
## Lesson 7: Bypass Activity

Name \_\_\_\_\_

Date \_\_\_\_\_

### Suggested Materials:

- ♥ Pieces of clear plastic tubing
- ♥ Something to “block” tubing (hot glue gun, Crisco, etc.)
- ♥ T-connectors
- ♥ Stoppers
- ♥ Funnels, beakers or graduated cylinders with measurement marks
- ♥ Water
- ♥ Clay
- ♥ Other materials from home



Using the materials provided, your team should design a model that will explain coronary artery bypass graft (CABG) surgery to a patient who may need the surgery.

### Sketch your model.

1. How does your model demonstrate CABG surgery?

---



---

2. Coronary artery bypass graft surgery bypasses blocked arteries in the heart. How would you explain the benefits to a patient?

---



---



---

3. Coronary artery bypass surgery significantly increases the rate of blood flow to the heart. How might the patient feel as a result of having such dramatic increase of blood to the heart?

---



---



---

### Notes

---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---

### Did You Know?

The increase of blood flow to the heart after CABG surgery is about the volume of one soda can per minute.

