



Pathfinder's Name

Plumbing

- 1. Make a diagram showing the plumbing system of a four-room house which includes fixtures for the kitchen, bathroom, and laundry.
- 2. Submit two pieces of iron pipe that you have threaded and connected with proper fitting.
 - 1. _____
 - 2. _____
- 3. Submit a repaired plastic (PVC), iron, or copper pipe, and tell how to repair all three.
 - 1. _____
 - 2. _____
 - 3. _____
- 4. Demonstrate ability to repair a leaky sink faucet and replace or repair toilet flush mechanisms.
- 5. Describe the proper drainage system of the house in #1 and explain the use of traps and vents.
 - _____
 - _____
 - _____
 - _____
- 6. Have a knowledge of the ordinary hot and cold water system of a house and explain how to make the system safe from freezing if the house has to be left without heat during the winter.
- 7. Diagram at least one type of passive water heating system, such as the use of solar energy.

Date completed _____

Instructor's Signature _____