

# Tires, Tubes, & Wheels

Match the following terms to each part in the diagram.

**A** Wheel  
**E** Tire

**B** Rim  
**F** Hub

**C** Rim Strip  
**G** Spoke

**D** Tube  
**H** Spoke Nipple



## Types of Tires

Mountain



Hybrid



Road



## Tire Sizing

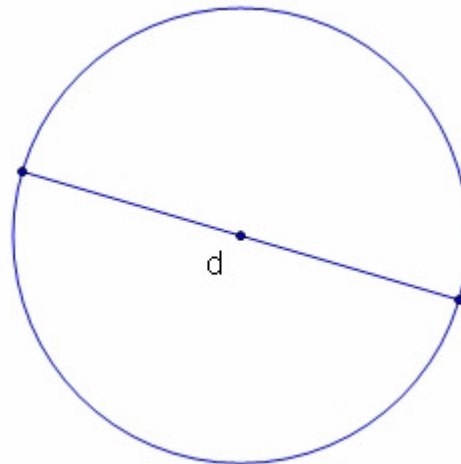
Each tire is labeled with its size. Where would you find this?

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What unit of measurement is used for the tire size? \_\_\_\_\_

The first number is the **diameter** of the tire. It is a measurement from where to where?

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The second number is the *width* of the tire.

What is the diameter of your tire? \_\_\_\_\_ inches

What is the width of your tire? \_\_\_\_\_ inches

The tire will also say “inflate to \_\_\_\_\_ PSI.” What does PSI stand for? \_\_\_\_\_

## Removing wheels from the bike

If your wheel does not have a quick release axle, what type of wrench will you need?

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## Removing tires & tubes from the rim

What tool will you need to help you with this? \_\_\_\_\_



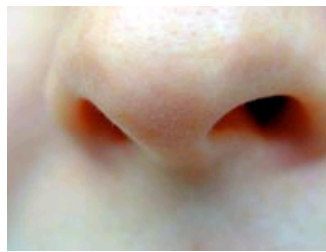
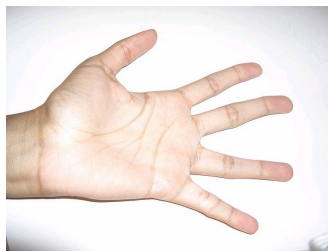
Your rim should be covered by a *rim strip*.

It should be tight, like a large rubber band. Check to make sure that it is not broken or too loose.



## Patching a Tube

What four senses can you use to find the hole? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.



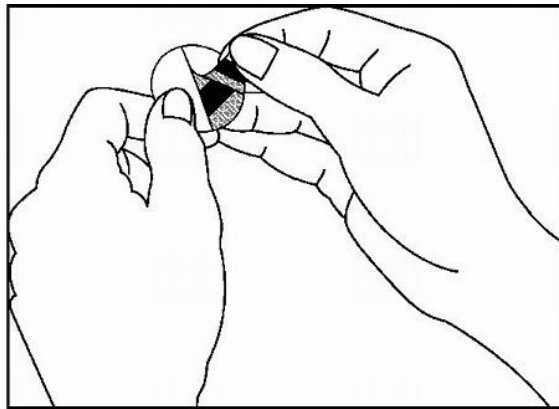
If you still can't find it, fill a sink up with \_\_\_\_\_ and submerge the tube to see if any air bubbles escape from the tire.

Patching a tube is just like applying a temporary tattoo! Match the following steps with the pictures.

- 1) Once you have the hole, circle it with a permanent marker.
- 2) Use \_\_\_\_\_ to rough up the surface for about 15 seconds.
- 3) Apply a layer of \_\_\_\_\_ to the tube in the circled area that's slightly bigger than the patch. Let it dry for about a minute. You will notice the glue becomes lighter as it dries.
- 4) Peel the backing of the \_\_\_\_\_ off and place it over the area with the glue.
- 5) Press down firmly on the patch with your fingers or a tire lever for about a minute. Pay extra attention to the edges of the patch.
- 6) Peel the clear plastic cover off of the patch. You will know the patch has been applied well if the plastic peels off easily without lifting the patch off underneath it.



**A**



**B**



**C**



**D**

## Remounting the Tube and Tire

Do you need any tools to remount the tube and tire on the rim? \_\_\_\_\_. Make sure that the tube is seated evenly on the rim.

Remount the wheel on the frame. Check to make sure that it is even between the two seat stays and chain stays. Tighten it down.