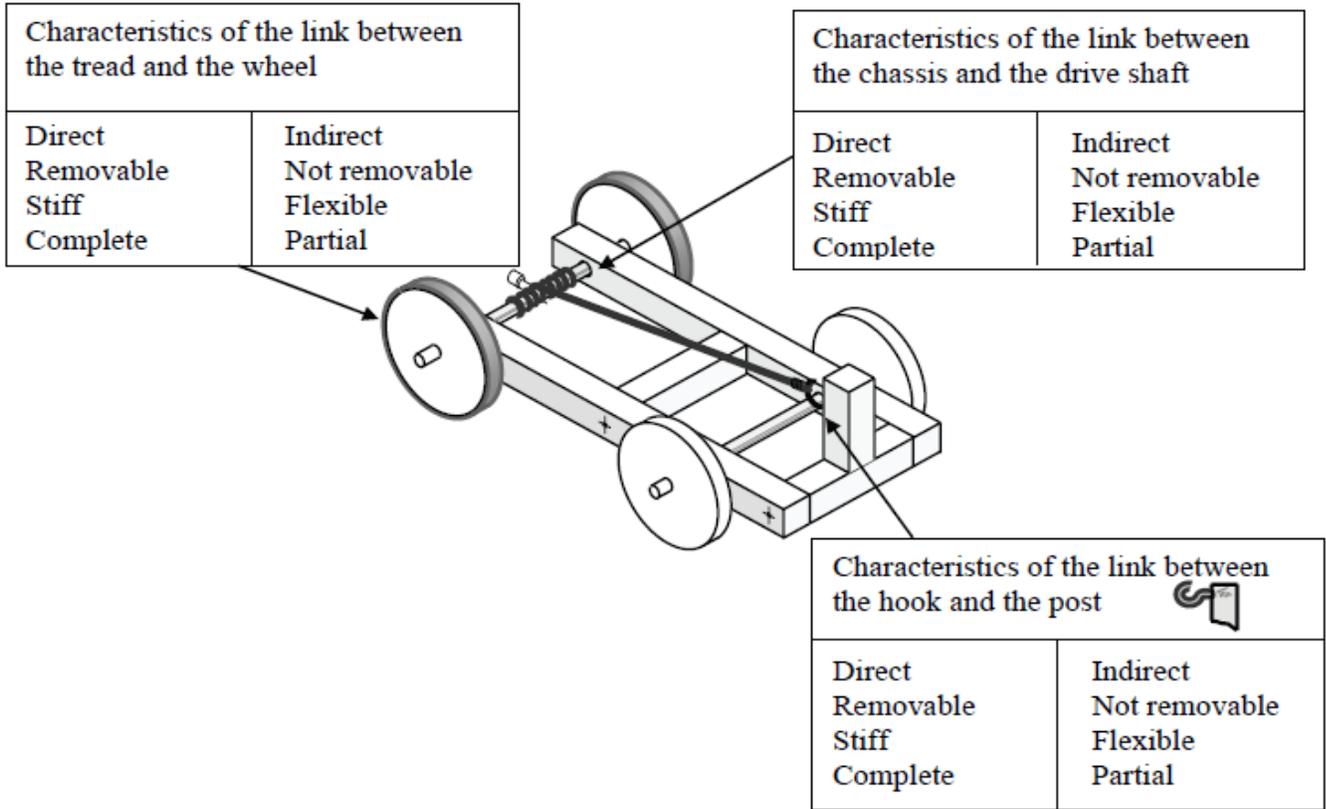
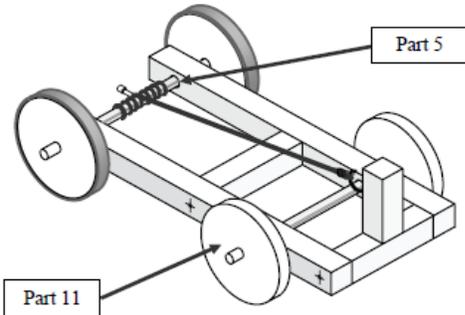


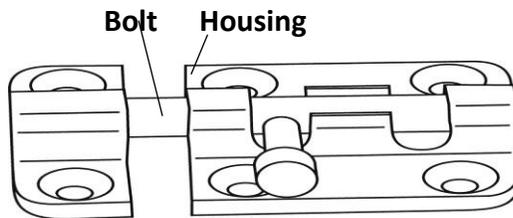
3. Circle the links below.



4. For each area, name the guided parts, indicate the type of guiding involved and name the part which controls the movement.



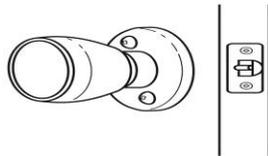
5. For each of the examples give the 4 types of links involved.
- a- Football is a sport that requires a lot of equipment, including a helmet. Inside the helmet is a layer of flexible padding to protect the player's head. It is held in place with glue.
 - b- Helmets are mandatory not only in football; they are also required in ice hockey. One of the differences between football helmets and hockey helmets lies in their wire face masks. The masks on hockey helmets can usually be raised, but not the masks on football helmets. Given that the mask is usually attached to the hockey helmet with two screws and two nuts.
 - c- Safety bolts like the one illustrated below are used to lock doors. What are the characteristics of the link between the bolt and the housing?



- d- Consider the link between the eraser below and the plastic-coated paper covering it.



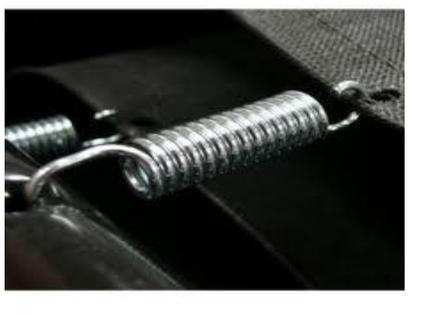
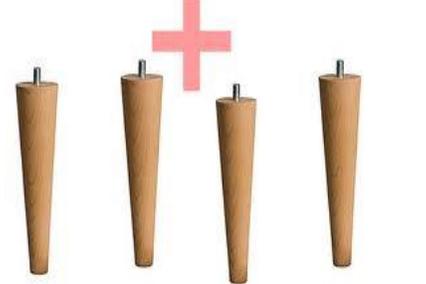
- e- Consider the link below between the doorknob and the door.



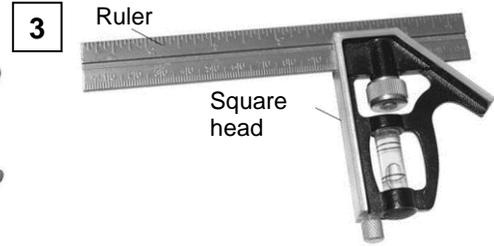
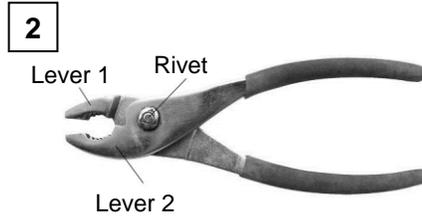
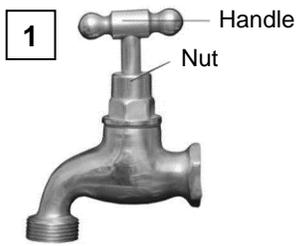
- f- When a house is under construction, builders often nail asphalt shingles to the roof.

6. For each picture below, name the 4 links associated with it.

	<p>How the tab is linked to the can.</p>
--	--

	<p>How the paper is linked to the wall.</p> <p>SET GOALS!</p>
	<p>How the tarp is linked to the metal bar.</p>
	<p>How the shower head (nozzle) is linked to the shower holder.</p>
	<p>These are legs for a table or chair. How would the legs be linked to a table or chair.</p>
	<p>How the birdhouse is linked to the tree.</p>

7. Look at the three objects below.



For each of the three objects, name the type of guiding involved and identify the guiding component.

Faucet:

Pliers:

Combination square:

8. Give the links for each picture.

a- Characteristics of the link between the handle and the punch of a hole punch. (A rivet is used)



b- The shelf and side panel. (The shelf is glued into the side panel).



c- Light bulb and socket



d- Clothes pin prongs

