| AR  
a)Repeat the experiment a few.more times and take. the average  
results. 2  
b)A longer distance. The straws have air spaces between them, so the  
new set-up has lesser friction between the floor and the toy, hence  
lesser frictional force needs.to be overcome.  
Q37) | a)The scale will still be balanced. ;  
  
b)Air can be compressed.  
¢)No, the balloon will not inflate. The water in the bottle has a definite  
volume and:cannot be compressed or displaced by and air blown into  
  
/ the balloon.  
  
a)To find out different colour filters would affect the colour of light  
produced. a .  
b)The can is opaque and blocks more light than the translucent filter.  
As light travels in. a straight line, the can will block the light in its path  
and form a shadow. The filter.only partially blocks light so its shadow  
is faint.  
a)  
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an  
Wire <= wire  
| swith? switeh2. | ee