



8. In a microphone, which part vibrates up and down when sound energy reaches it?
  
9. What happens to the magnet inside the coil every time this part of the microphone vibrates?
  
10. When the magnet does this, what effect does this have?
  
11. Name the 2 energy transfers that take place.
  - i.
  
  - ii.
  
12. In a speaker, what happens to the metal core (shown by the yellow box) every time an electrical signal passes through the wire around it?
  
13. What effect does this have on the diaphragm of the loud speaker?
  
14. When the diaphragm does this, what is the consequence?

15. Name the 2 energy transfers that take place.

i.

ii.