



## What's the Same and What's Different?

There are three ways to heat things: radiation conduction and convection.  
Answer the following questions to help you understand similarities and differences.

Circle the correct answer to each question  
(To be used with lyrics to RRR song "Radiation, Conduction, Convection")

### RADIATION – WHAT'S DIFFERENT

1. This form of heat energy comes to Earth from the  
sun      moon      planets      clouds
2. It is transferred to Earth through  
water      wavelengths      only solid objects      fire
3. Radiant heat is typically found  
in empty space      in water      in mountains      in bricks
4. When the earth 'holds onto' heat and releases it into the air it's called  
burning      cooling      re-radiation      temperature
5. An example of radiant heat on Earth would be  
standing in the sun on a still sunny day  
standing in the breezy shade on a hot day  
sitting on a metal chair in the sun on a hot day

### CONVECTION – WHAT'S DIFFERENT

6. This form of heat energy is transferred only through  
solids/rocks      gases/liquids      trees/plants