

# Energy Transfer

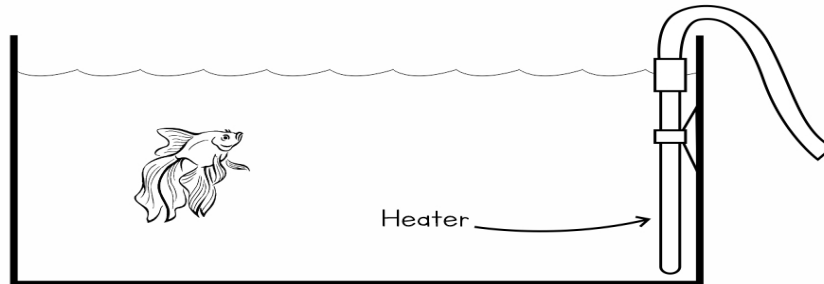
Name .....

Date .....

1. Energy can be transferred by heating in different ways.

Tick (✓) the boxes to show which energy transfer process each statement applies to. Some rows may have more than one tick.

	Conduction	Convection	Radiation
c Energy travels from the Earth to the Sun this way			
d Happens best in solid materials.			
e Energy can pass through glass this way			
f Energy is transferred through liquids and gases best this way			
g This process involves vibrations of particles being passed on.			
h This process involves changes of density.			
i These processes transfer energy through matter, not through empty space			
j This process involves fluids moving.			



2. The diagram shows a fish tank with a heater.

- k Write an H on the diagram to show where water is being heated.
- l Write a D on the diagram to show where part of the water is less dense than the rest.
- m Draw arrows on the diagram to show how water will move around the tank.
- n What is this movement of water called?

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