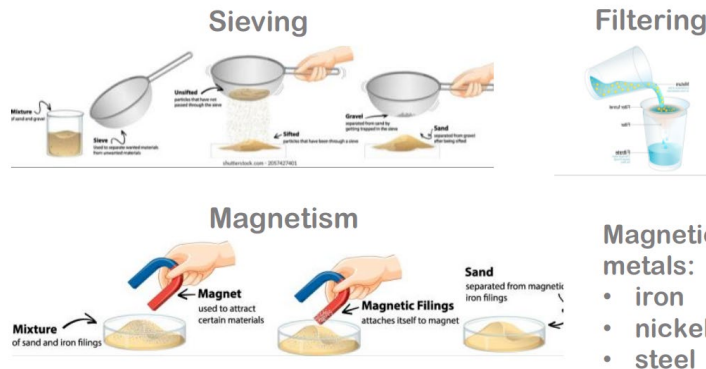


## Separating Materials



**Magnetic metals:**

- iron
- nickel
- steel

### Everyday Materials

Metal saucepans **conduct** heat to warm food.



Wooden spoons and plastic handles **insulate** heat so hands do not get burned.

### Soluble Materials

Some solids **dissolve** in water (**SOLUBLE**).



Some solids do not **dissolve** in water (**INSOLUBLE**).



### Key vocabulary

 conductive	A materials that allows heat and/or electricity to pass through it
 magnetic	Material that is attracted to a magnet
 thermal	Using or producing heat
 conduction	Heat moving from one object to another through contact
 hardness	Resistance to scratching and pressure
 force	When an object is acted upon by a pull or push motion in a specific direction
 dissolve	To mix with liquid and become part of the liquid
 solute	A substance that can be dissolved in liquid
 solvent	A substance that can dissolve in a solute, water is a solvent
 substance	Any material, such as sugar
 filtering	The separation of a mixture using a tool with small holes to separate particles
 evaporation	The process where a liquid changes into a gas