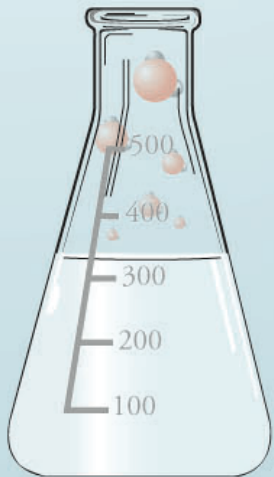
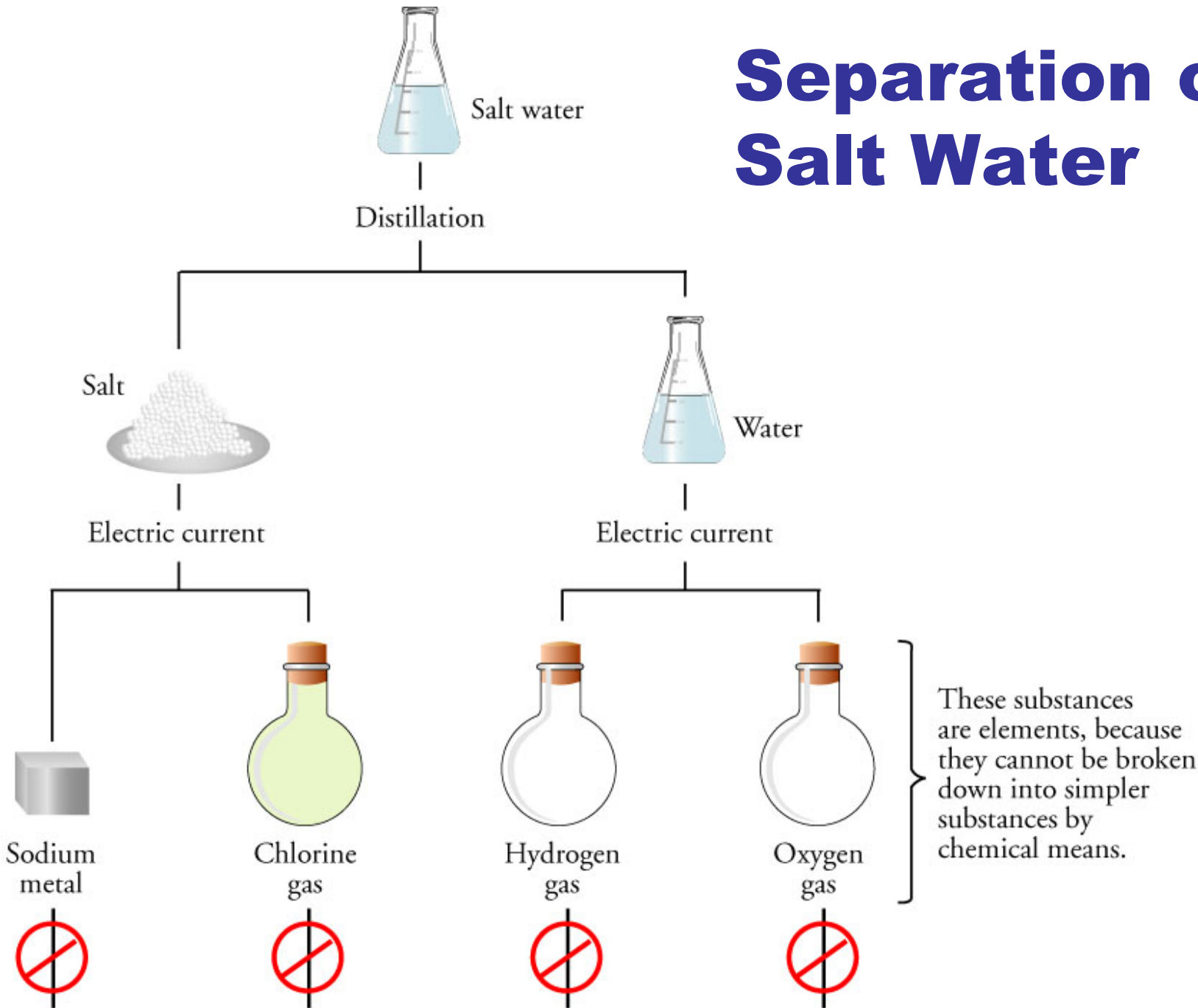


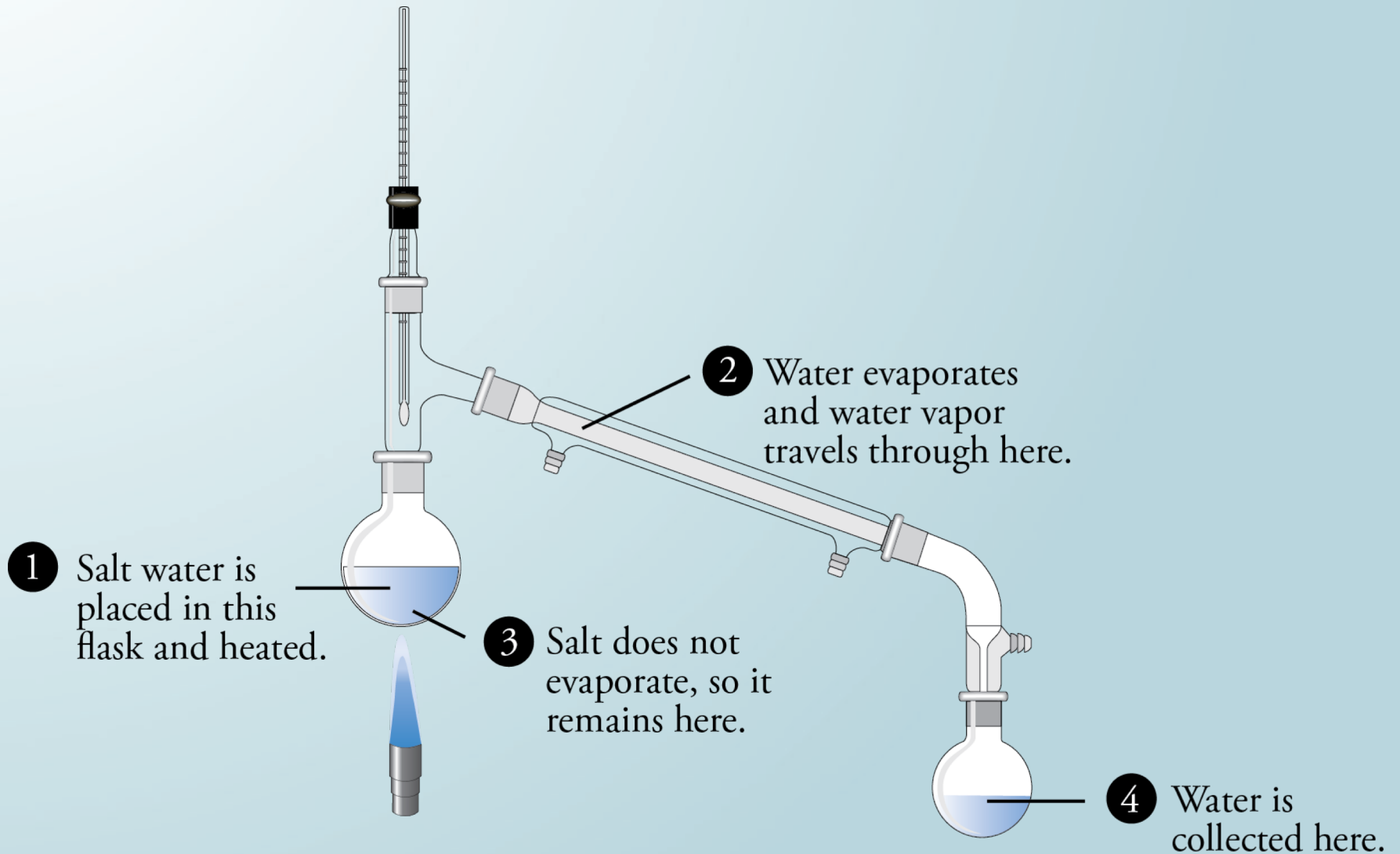
# The Chemical Elements



# Separation of Salt Water

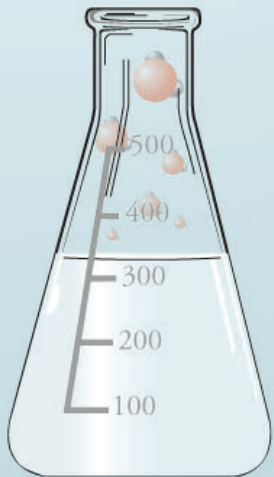


# Distillation



# 118 Known Elements

- 83 are stable and found in nature.
  - Many of these are very rare.
- 7 are found in nature but are radioactive.
- 28 are not natural on the earth.
  - 2 or 3 of these might be found in stars.



# Names and Symbols for Elements

Element	Symbol	Element	Symbol	Element	Symbol
<b>aluminum</b>	<b>Al</b>	gold	Au	<b>oxygen</b>	<b>O</b>
argon	Ar	<b>helium</b>	<b>He</b>	<b>phosphorus</b>	<b>P</b>
barium	Ba	<b>hydrogen</b>	<b>H</b>	platinum	Pt
beryllium	Be	<b>iodine</b>	<b>I</b>	<b>potassium</b>	<b>K</b>
boron	B	<b>iron</b>	<b>Fe</b>	silicon	Si
<b>bromine</b>	<b>Br</b>	<b>lead</b>	<b>Pb</b>	<b>silver</b>	<b>Ag</b>
cadmium	Cd	<b>lithium</b>	<b>Li</b>	<b>sodium</b>	<b>Na</b>
<b>calcium</b>	<b>Ca</b>	<b>magnesium</b>	<b>Mg</b>	strontium	Sr
<b>carbon</b>	<b>C</b>	manganese	Mn	<b>sulfur</b>	<b>S</b>
<b>chlorine</b>	<b>Cl</b>	mercury	Hg	tin	Sn
chromium	Cr	neon	Ne	<b>uranium</b>	<b>U</b>
<b>copper</b>	<b>Cu</b>	nickel	Ni	xenon	Xe
<b>fluorine</b>	<b>F</b>	<b>nitrogen</b>	<b>N</b>	<b>zinc</b>	<b>Zn</b>