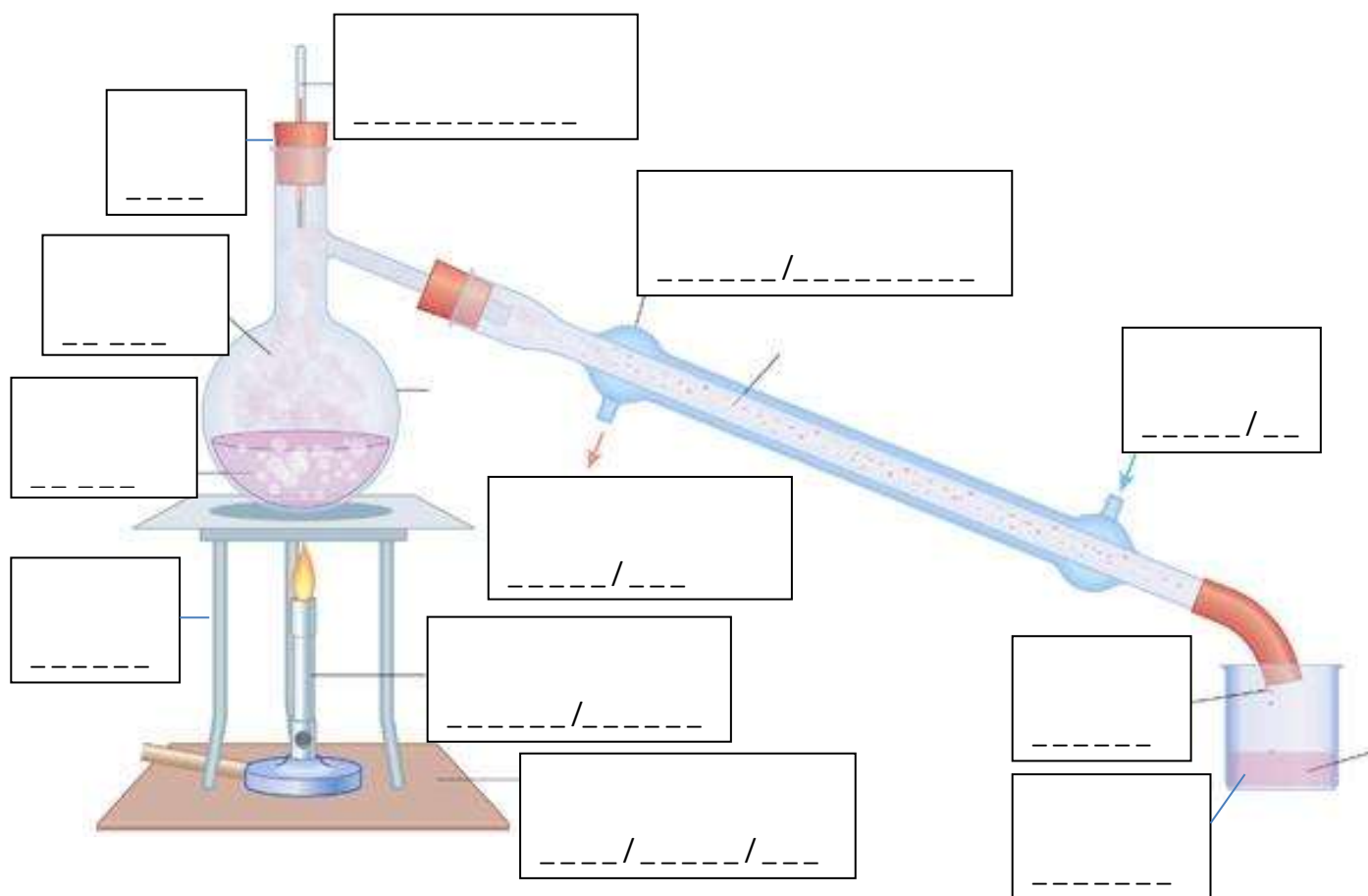


Distillation using the Liebig Condenser



Water out	Liebig condenser	Tripod	Bunsen burner	Heat proof mat	Water
Bung	Flask	Water in	Ethanol	Thermometer	Beaker

Add these labels (1-4) to your diagram to show where each process happens

- 1) Boiling 2) Evaporating 3) Condensing 4) Collection

Today we are separating a mixture of _____ and _____ in a process called _____. The mixture is _____ up, and ethanol will boil first because it has a lower _____ of 78°C. The ethanol will turn into a _____ and evaporate. As it evaporates, it leaves the flask through the side arm. Cold _____ is passed through the Liebig condenser and condenses the ethanol from a _____ back into a _____. The liquid ethanol drips down into the collection _____. The heat energy is transferred from the ethanol gas to the water which is being pumped through the condenser.

Water	Gas	Heated	Boiling Point	Beaker
Distillation	Ethanol	Liquid	Gas	Water