Rate of evaporation – student sheet

Put a drop of propanone onto a microscope slide and observe what happens.

The conditions can be changed as shown below:

Condition	How achieved
Warm	Warm slide in hands and hold on a flat palm. Alternatively, place the slide in warm water then dry the slide
Cool	Room temperature
Spread out drop	Spread the drop of propanone on the slide with a matchstick
Unspread	Drop left as one drop on the slide
Cool air flow	Fan with book
Warm air flow	Blow across drop

Condition	Evaporation time (s)
Unspread, cool, air movement	
Unspread, cool, no air movement	
Spread out, cool, no air movement	
Spread out, warm, no air movement	
Unspread, warm, air movement	
Spread out, cool, air movement	
Spread out, warm, air movement	
Unspread, warm, no air movement	

1. Which conditions will increase the rate of evaporation?