A student has a beaker of water at 20 °C which is placed on a tripod. A Bunsen burner is placed underneath the beaker and a lid is then placed on top of the beaker. The Bunsen burner is turned on, heating the water until it starts to boil at 100 °C.

Describe and explain the changes in the arrangement and movement of the particles as the water's temperature rises and then boils.

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Explain h	now a physica	ıl change is d	ifferent to	a che	mical chang		
A	physical	change	Can	be	reversed	and	the
water	retai	ins its	onig	inal	propert	ies.	
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3.3	State what happens	to the mass of	the water as it b	oils to become a gas.

Boiling is an example of a physical change.

3.2

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