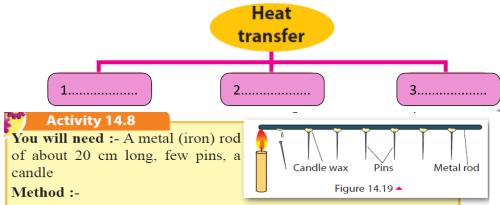
Department Education, S. Sabara		
Province/W spartme	uwa Province/ Weekly School	
Pr Subject : Science Di Education Saham samusa Province	Weakly School Department of Education, Sabaragamuwa Province/ Weekly School Department of Education, Sabaragamuwa va Province/ Weekly School Department of Education, Sabaragamuwa Province/ Weekly School Department of Education, Sabaragamuwa Province/ Weekly School Department of Weekly School Department of Education, Sabaragamuwa Province/ Weekly School Department of Edu	
Pr Ds Grade 7	of Education, Sabaragamuwa Province/ Weekly School Department of Education (National Province/ Weekly School Department of Education (National Province/ Weekly School Department of Education (National Province/ Weekly School Department of Education	
Unit 14 – Heat and Temperature(2)		
You will	I need: A boiling tube, a thermometer,	
Method	ter, a burner, a laboratory stand :- some water into a boiling tube, and prepare	
the se	et-up as shown in Figure 14.6. the water for few minutes till it boils.	
• Reco	rd the reading of the thermometer.	
Absorbing heat		
Water (l	iquid) Steam (gas)	
state is	stant temperature at which a liquid substance changes to it's gaseous known as the of that substance. hermometer correctly.	
What are the S	Special features of a clinical thermometer?	
······································	-pecial reatures of a crimear dicrinometer:	

> Heat transfer



- Take the metal rod and fix pins on it, in 2 cm intervals, using candle wax, as shown in Figure 14.19
- Heat one end of the rod using the candle
- Record your observations after sometime.

 What is the conduction 	ction
--	-------

Convection

0 Activity 14.9

> You will need: - A tall beaker, a piece of cardboard, a candle, some joss sticks

Method:-

- Cut the piece of cardboard to the shape as shown in the figure.
- Place the piece of cardboard, at the middle of the beaker to divide the inside of it into two chambers.
- Then, place the lighted candle in the side B of the beaker as shown in the figure.
- Light some joss sticks and hold them at the mouth of the beaker on the other side (side A) of the piece of cardboard.

Figure 14.23 **^**

Figure 14.24 **^**

- Observe what happens.
- Now blow out the candle and hold the joss sticks in the side A.
- Observe what happens again.

