	Worksheet 2 - Specific Heat Capacity. A pot is filled with 9kg of water at 10°C. Calculate how much	
	energy would be needed to raise the temperature to 60°C. [specific heat capacity of water = 4200J/kg°C]	ı nea
Т 9	A girl during a hike has a bottle of mineral water in her have The bottle has 2 litres of water in it (2ltr. weigh 2kg). The gets heated by the sun by 5°C. How much heat has the absorbed from the sun?	wate
Exercise 3:	When the temperature of 0.25kg of ice-cream is increased from -10°C to -2°C, the heat supplied is 3000J. Find the specific heat capacity of the ice-cream.	
Exercise 4:	A refrigerator is used to cool 3ltr of soft drink from temperature (23°C) down to 5°C.	roor
i. If the densi [1ltr = 0	ity of the soft drink is 1015kg/m³, calculate the mass of the soft 0.001m³] {density = mass/volume}	drin
	n heat energy must be removed if the specific heat capacity is 4150J/kgK.	of th
iii. How long v	will this take if the refrigerator removes heat energy at a rate of	18J