Na	Name Period _		Date
	Thermochemistry We	<u>orksł</u>	neet 1
	For problems 1, 2, and 3, write the balanced equations for eactions and determine the heat energy produced per m		
1)	When 4 g of beryllium chloride reacts with 25 g of silver chloride powder are produced by the silver chlori		
2)	When isopropanol (C_3H_8O) burns in oxygen, carbon this reaction is performed inside a sealed vessel subsexcess of oxygen in the vessel. At completion, the w	omerged	in a vessel of water with an
3)	3) When 35 g of sodium hydroxide reacts with an exces sodium sulfite, water, and heat are formed. specific l	ss of sulfi heat for l	urous acid (H₂SO₃), aqueous H₂SO₃ = 1.0 j/gK
4)	4) A vessel of water (15 mL) at a temperature of 290 K ethanol (C_2H_5OH) (35 mL) at a temperature of 240 K for the two vessels of liquid. (density of water = 1.0 ς mg/L).	. What is	s the equilibrium temperature
5)	A vessel of water at a temperature of 30° C is heated (C₃H₅(OH)₃) (100 mL) at a temperature of 323 K. Th vessels of liquid was 37° C. What was the volume of 1.261 g/mL)	e equilib	rium temperature for the two