

Question One- Complete the table

Reaction	Exo / endo	$\Delta H + / -$
<i>Burning sulfur</i>	<i>Exothermic</i>	-
Water boiling		
Photosynthesis		
Respiration		
Bond breaking		
Bond making		

Question Two

Burning sulfur is an exothermic reaction with an activation energy barrier of 40 kJ



Draw a fully labelled energy profile of the reaction

Calculate the amount of energy released when 1.60 g of sulfur is burnt

What is the mass of sulfur is needed to release 3400 kJ of energy?