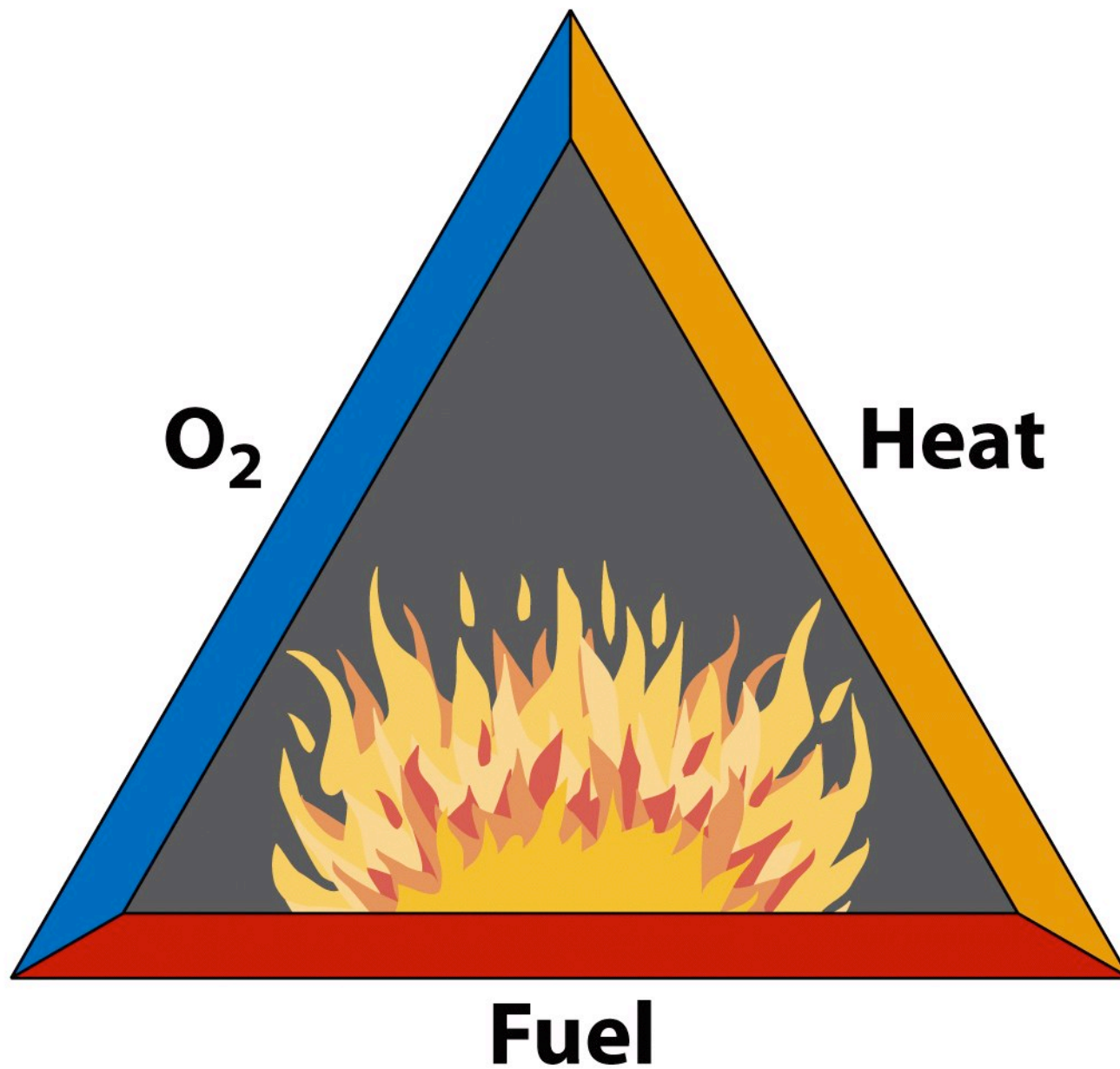


# Chapter 9

# Fire and Arson



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## **Table 9.1** Specific Heat Capacities

<b>Material</b>	<b>Specific Heat (J/g · °C)</b>
Aluminum	0.90
Copper	0.38
Gasoline	2.01
PVC (polyvinyl chloride)	1.05
Wood	1.70
Concrete	0.80
Particle board	1.30
Polyethylene	1.90
Silica glass	0.75
Gypsum wallboard	1.05

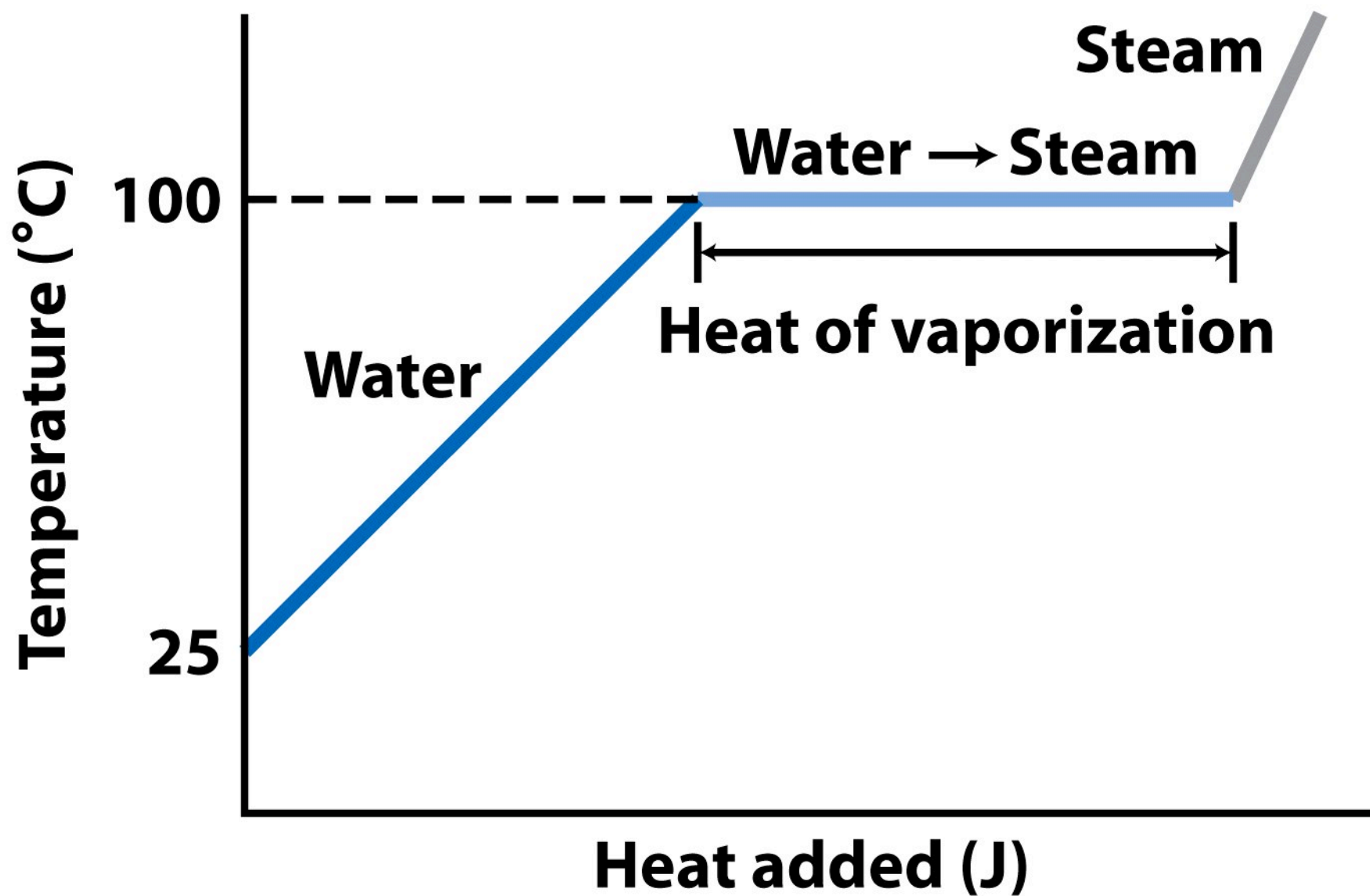


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## **Table 9.2** Heat of Vaporization for Ignitable Liquids

<b>Material</b>	<b>Heat of Vaporization (J/g)</b>
<b>Gasoline</b>	<b>349</b>
<b>Diesel fuel</b>	<b>233</b>
<b>Ethanol</b>	<b>921</b>
<b>Turpentine</b>	<b>293</b>
<b>Kerosene</b>	<b>250</b>
<b>Water</b>	<b>2258</b>

Table 9-2

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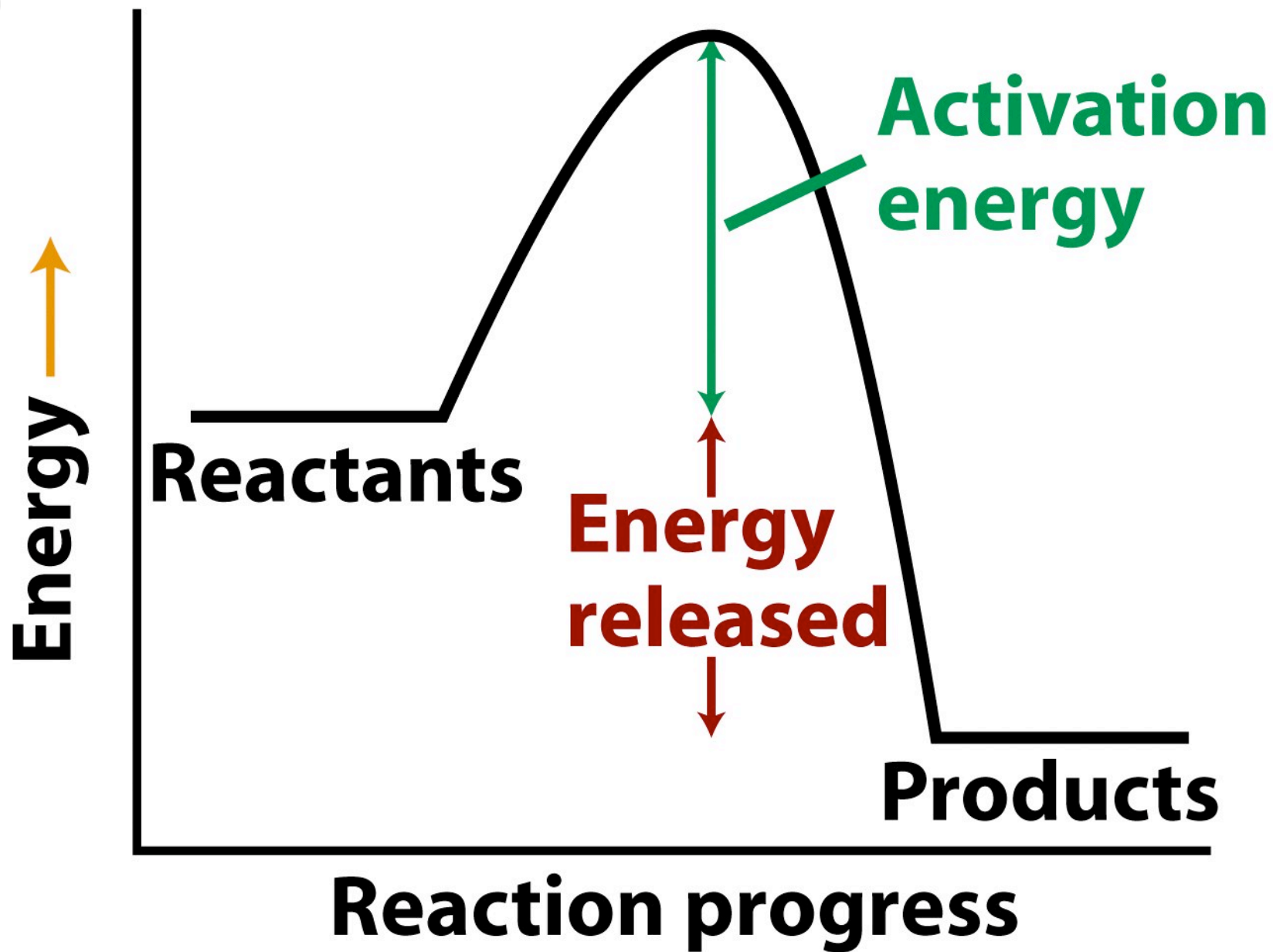


Figure 9-3  
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**Figure 9-2a**  
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**Figure 9-2b**  
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**Figure 9-2c**  
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