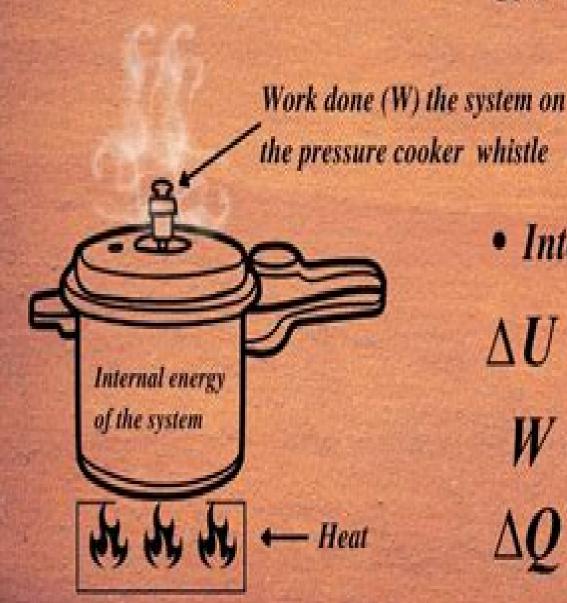
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Internal Energy;

$$\Delta U = Q - W$$

$$W = P\Delta V$$

$$\Delta Q = \Delta U + P \Delta V$$

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**Huangqi Zhang** 

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