

## Answer on Question #60293 - Chemistry - General Chemistry

### Task:

How much energy is needed to melt 4.24 grams of Pd?  $H_{\text{fus}} = 162 \text{ J/g}$

### Solution:

Figure the energy to melt palladium(Pd):

$$q = (\Delta H_{\text{fus}}) \times (\text{grams of Pd});$$

$$q = (162 \text{ J/g}) \times (4.24 \text{ g}) = 686.88 \text{ J};$$

**Answer:** 686.88 J energy is needed to melt 4.24 grams of Pd.