

# Specific Heat of Silver and Aluminum

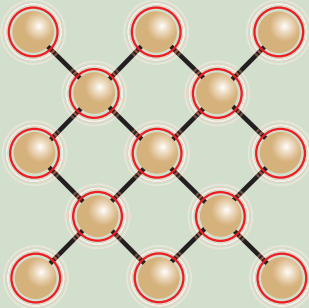


1 kilogram

## Silver

**Specific heat: 235 J/kg°C**

*Heavier atoms mean fewer atoms per kilogram*



- Energy is spread over **fewer** atoms
- **More** energy per atom
- **Higher** temperature gain per joule (lower specific heat)

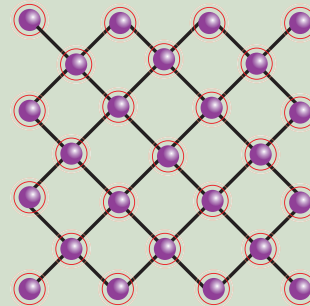


1 kilogram

## Aluminum

**Specific heat: 900 J/kg°C**

*Lighter atoms mean more atoms per kilogram*



- Energy is spread over **more** atoms
- **Less** energy per atom
- **Lower** temperature gain per joule (higher specific heat)