

Topic 5 Summary

Energy in Earth Processes

Vocabulary

Condensation	Energy	Solidification
Conduction	Heat Energy	Specific Heat
Convection	Joules	Temperature
Crystallization	Mechanical Energy	Texture
Electromagnetic (EM) Radiation	Nuclear Decay	Vaporization
EM Spectrum	Radiation	Wavelength

Electromagnetic (EM) Energy

Characteristics & Types of EM Energy

Interactions between EM Energy and Environment

Surface Properties and Absorption

Transfer of Energy

Achieving Dynamic Equilibrium

Methods of Energy Transfer

Conduction

Convection

Radiation

Transformation of Energy

Heat Production

Transformations of Mechanical Energy

Transformations of EM Wavelength

Temperature and Heat

Temperature

Heat and Thermal Energy

Specific Heat

Heat Energy and Changes of State

Types of Change of States

Stored Heat and Changes of State

Stored Heat and Changes of State of Water

Earth's Energy Supply

Solar Energy

Earth's Own Energy