**Unit 7: Matter and Energy – Guided Notes Answer Sheet**

**Guided Notes: Making Food**

photosynthesis

Chlorophyll

Gas exchange

Photosynthesis

Stomata

photosynthesis, chlorophyll

photosynthesis, oxygen, stomata

**Guided Notes: Breaking Down Food**

cellular respiration

ATP

Cellular respiration

Electron transport chain

Glycolysis

Krebs cycle

cellular respiration

cellular respiration, ATP

**Guided Notes: Recycling Matter by Plants**

cycling, respiration

Cellular respiration

Photosynthesis

Recycle

photosynthesis

cellular respiration

**Guided Notes: Flow of Energy**

energy

Autotroph

Carnivore

Consumer

Energy pyramid

Herbivore

Metabolism

Omnivore

Primary consumer

Producer

Secondary consumer

Tertiary consumer

Trophic level

producer, sun

carnivore, plants

**Guided Notes: Recycling of Carbon**

carbon cycle

Carbon cycle

Reservoir

Carbon sink

photosynthesis

carbon cycle

**Guided Notes: Recycling of Nitrogen**

nitrogen cycle

Denitrification

Nitrification

Nitrogen cycle

Nitrogen fixation

Reservoir

Sink

ammonia

nitrogen fixation

**Guided Notes: Energy and Matter in an Ecosystem**

matter, energy

Producer

Consumer

Decomposer

Food web

Herbivore

Carnivore

Omnivore

producer, consumer, carnivore

decomposers