**Unit 3: Body Systems – Guided Notes Answer Sheet**

**Guided Notes: Multicellular Organisms**

complex, homeostasis

Homeostasis

respond

Differentiated

osteoblast

factory

bone

**Guided Notes: Body Systems Hierarchy**

cells, organs

cell

organ

organ system

organism

tissue

house

cell

**Guided Notes: Respiratory and Circulatory Systems**

oxygen, carbon dioxide

nasal cavity

nasopharynx

pharynx

larynx

trachea

bronchi

bronchioles

lungs

heart

aorta

nasal cavity, nasopharynx, pharynx, larynx, trachea, bronchi, bronchioles

heart, aorta, superior vena cava, inferior vena cava, right ventricle

**Guided Notes: Digestive and Excretory Systems**

nutrients, waste

bladder

digestive system

esophagus

excretory system

kidneys

large intestine

mouth

nephrons

small intestine

stomach

mouth, esophagus, stomach, small intestine, large intestine

excretory system, kidneys, urea, ureter, bladder, urethra

**Guided Notes: Nervous System**

respond, homeostasis

nerves

neurons

body

axon

dendrite

sensory neurons

interneurons

motor neurons

central nervous system

peripheral nervous system

sensory neurons, nerves, brain, axon, body, interneurons, motor neurons

central nervous system, peripheral nervous system, sensory neurons, motor neurons

**Guided Notes: Sensory Receptors**

stimuli, brain

sensory receptors

photoreceptors

mechanoreceptors

thermoreceptors

chemoreceptors

photoreceptors

thermoreceptors

mechanoreceptors, chemoreceptors

**Guided Notes: The Eye**

visual signals

visual signals

sclera

cornea

iris

pupil

ciliary muscles

lens

retina

photoreceptors

optic nerve

connective tissue

epithelial tissue

nerve tissue

muscle tissue

cornea, sclera, iris, pupil, lens, retina, photoreceptors, visual signals, optic nerve

camera

**Guided Notes: Homeostasis**

internal stability

homeostasis

external factors

homeostasis

body temperature