Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SAVE this review sheet for the rest of the year!**

1. Describe in detail how the excretory system helps the human body maintain homeostasis (what is its main function in keeping you alive)?
2. How does each of the following aid in the excretion of cellular waste products?

Skin –

Lungs –

Liver –

Urinary System –

1. List the 4 metabolic wastes removed by the excretory system.
2. The functional unit of the kidney is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. This unit is composed of several parts with specific functions. Explain each.

Glomerulus –

Bowman’s capsule –

Loop of Henle –

Collecting duct –

24. Complete the following chart on the malfunctions of the excretory system.

|  |  |  |  |
| --- | --- | --- | --- |
| Malfunction | Description | Cause | Treatment / Prevention |
| Kidney Disease |  |  |  |
| Gout |  |  |  |
| Urinary Tract Infection |  |  |  |

**eet for the rest of the year!**

**Living Environment – 4th Quarter Review Packet**

**The following review packet will summarize the topics / vocab from the 4th marking period. However, you should also review your old tests, quizzes, notes, AND YOUR REVIEW PACKETS FROM THE 1st, 2nd, & 3rd QUARTER CUMULATIVE EXAMS!**

**Biotechnology:**

* Gene splicing
* Restriction enzymes
* Gel electrophoresis
* Selective breeding
* Genetic engineering
* Recombinant DNA
* Gene Therapy
* Somatic Cell
* Plasmid
* Cloning
* Paper Chromatography

**Evolution:**

* Natural selection
* Overproduction
* Limited Resources
* Competition
* Inheritance
* Survival of the Fittest
* Advantageous
* Mutation
* Variation (define and sources)
* Adaptation
* Common ancestor/ancestry
* Structural similarities
* Extinction
* Frequency
* Resistance
* Dichotomous Key
* Scientific Name

**Ecology:**

* Biodiversity
* Habitat
* Niche
* Equilibrium
* Carrying capacity
* Limiting Factors
* Competition
* Autotroph(ic)
* Heterotroph(ic)
* Herbivore
* Producer
* Decomposer
* Parasite
* Predator
* Prey
* Ecological Succession
* Abiotic
* Biotic
* Carbon-Oxygen cycle
* Water cycle
* Nitrogen cycle
* Species
* Population
* Community
* Ecosystem
* Biome
* Biosphere
* Food Chain
* Food Web

**Human Impact on the environment:**

* Human Population Growth
* Fossil Fuels
* Global warming
* Greenhouse Gases / Greenhouse Effect
* Smog
* Direct harvesting
* Native species
* Invasive species
* Finite
* Decline
* Renewable / Non-renewable
* Sustainable Use
* Conservation
* Trade-off
* Recycle
* Compost
* Solar Power (advantages & disadvantages)
* Wind Power (advantages & disadvantages)
* Nuclear Power (advantages & disadvantages)
* Deforestation
* Reforestation
* Logging
* Erosion
* Habitat destruction
* Sewage/wastewater
* Thermal Pollution
* Eutrophication
* Exploitation of Wildlife
* Endangered species
* Offshore drilling
* Biocides
* Biological control
* Industrial emissions
* pH
* Acid Rain
* Biological Magnification (aka Bioaccumulation)
* Ozone Depletion
* CFCs (chlorofluorocarbons)