Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

Body system Interaction Chart

For each process given, list the systems that interact, **HOW** they interact, and what they are doing in the interaction.

|  |  |  |  |
| --- | --- | --- | --- |
| Process | Systems that interact | How systems interact | What are the systems doing in the interaction? |
| Nutrients are needed to be absorbed by Heterotrophs/Consumers for them to survive.  Both human and animals must use multiple systems to help them do this. |  |  |  |
| Many different animals including humans, go through body changes that allow them to reproduce. Women have the hormone Estrogen while men have testosterone.  It is not until these hormones are released that the individual can reproduce with the opposite sex. Multiple systems help the body adjust though these changes. |  |  |  |
| Homeostasis is important for the survival of many species including humans.  If the species cannot keep homeostasis, many things can go wrong and affect the species in many ways, including possible death.  There are many ways our body goes though homeostasis and many different systems must collaborate to do so. |  |  |  |
| The human body has many ways of defending itself form foreign particles, illness, pathogens, and any physical injury.  Many systems must work together to help the body “fight”, “flee”, and “protect” itself form any type of damage that may come its way. |  |  |  |