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| Human Body Systems Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| System | Function(s) | Diagram | Major Organs | Interactions with other systems |
| Digestive | 1. \_\_\_\_\_\_\_\_\_\_\_\_ food  2. Absorb \_\_\_\_\_\_\_\_\_  3. \_\_\_\_\_\_\_\_\_\_ waste(s)  from body |  | 1. Mouth (salivary glands) 2. E\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. stomach 4. Sm\_\_\_\_ \_\_\_\_\_\_\_\_\_ 5. Lg. intestine,   (rectum, anus)   1. Pancreas 2. L\_\_\_\_\_\_\_\_\_\_\_\_ 3. Gall bladder | 1. w/ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – absorb & ***deliver*** the digested  nutrients to the cells  2. w/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – control the ***contractions*** of many of the digestive organs to pass food along  3.w/ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – ***hypothalamus*** maintains homeostasis by triggering appetite (stomach growling), digest. |
| Excretory | 1. removes \_\_\_\_\_\_\_\_\_ products from cells (urea, water, CO2) |  | 1. K\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. U\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. B\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. U\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Lungs 6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_– sweat glands 7. Liver (produces urea) | 1. w/***circulatory*** – filters waste out of \_\_\_\_\_\_\_\_\_\_  2. w/***lungs*** – removes  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ waste  3. w/***integumentary*** – removes ***excretory*** waste |
| Circulatory | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ good stuff to the cells (O2, nutrients) 2. Take away \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from cells. 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ disease |  | 1. H\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. A\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. C\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. V\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Blood (plasma, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, WBC, platelets) | 1. w/***respiratory*** – deliver \_\_\_\_\_\_\_ from lungs to cells and drop off \_\_\_\_\_\_\_\_\_\_\_\_ from cells to lungs 2. w/***digestive*** –\_\_\_\_\_\_\_\_\_ and deliver digested \_\_\_\_\_\_\_\_\_\_\_\_\_ to cells 3. w/***excretory*** – kidneys filter ***waste from blood*** for removal 4. w/***lymphatic*** – both transport things to and from cells 5. w/***immune*** – transports ***WBC***s throughout body to fight disease 6. w/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – brain controls ***heartbeat*** 7. w/***endocrine*** – transfers ***hormones*** |
| Respiratory | 1. Takes in \_\_\_\_\_\_\_\_\_ 2. Removes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and water |  | 1. N\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. Trachea 4. Bronchial tubes 5. Lungs / Alveoli 6. D\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. w/***circulatory*** – takes in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for delivery to cells and removes \_\_\_\_\_\_\_\_\_\_\_\_ brought from cells 2. w/***excretory*** – removes waste like \_\_\_\_\_\_\_\_\_\_ 3. w/***nervous*** – controls breathing 4. w/***muscular*** – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ controls breathing (and hiccups) |
| Nervous | 1. Gathers and interprets information 2. Re\_\_\_\_\_\_\_\_\_\_\_\_\_ to information 3. Helps maintain homeo\_\_\_\_\_\_\_\_\_\_\_ | C:\Users\Audrey_Garris\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\52HM2WD2\12[1].pngC:\Users\Audrey_Garris\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\CCDSJ0E6\Nerve.nida[1].jpg | 1. B\_\_\_\_\_\_\_\_\_\_\_ 2. Spinal cord 3. N\_\_\_\_\_\_\_\_\_\_\_ 4. Nerve cells = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Hypothalamus | 1. Controls all other systems 2. Hypothalamus – maintains homeostasis by working with all systems |
| Immune (immune/endocrine) | 1. Fights off ***foreign*** ***invaders*** in the body | immune_system_1218.jpg | 1. White B\_\_\_\_\_\_ C\_\_\_\_\_\_\_\_ 2. \*T cells 3. \*B cells –produce ***antibodies*** 4. Skin | 1. w/***circulatory*** – transports \_\_\_\_\_\_\_\_\_\_\_\_ to fight invaders  2. w/***lymphatic*** – has lots of WBCs to fight invaders, spleen filters bacteria/viruses out of blood  3. w/***skeletal*** – WBCs made in \_\_\_\_\_\_\_\_\_\_\_\_ marrow  4. w/***integumentary*** (\_\_\_\_\_\_\_\_\_\_\_) – prevents invaders from getting in |
| Endocrine | 1. ***Regulates*** body activities using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   Slow response, long lasting | Image result for endocrine system clipart free | 1. Glands   * Hypothalamus * Pituitary * Thyroid * Thymus * Adrenal * Pancreas * Ov\_\_\_\_\_\_\_\_\_\_\_ * Te\_\_\_\_\_\_\_\_\_\_\_  1. Hormones produced by these glands | 1. w/***circulatory*** – transports \_\_\_\_\_\_\_\_\_\_\_\_\_ to target organs  2. w/***nervous*** – maintain Homeo\_\_\_\_\_\_\_ , hormone release  3. w/***reproductive*** – controlled by hormones  4. w/***skeletal*** – controls \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of bones |
| Muscular | 1. Allows for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ by contracting. (They never extend – only contract and relax). |  | 1. C\_\_\_\_\_\_\_\_\_\_\_\_\_ muscle 2. S\_\_\_\_\_\_\_\_\_\_ muscle 3. Sk\_\_\_\_\_\_\_\_\_\_\_\_\_\_ muscle 4. Tendons | 1. w/***skeletal*** – allow \_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. w/***digestive*** – allow organs to push \_\_\_\_\_\_\_\_\_\_\_\_\_ through  3. w/***respiratory*** – d\_\_\_\_\_\_\_\_\_\_\_\_\_ controls breathing  4. w/***circulatory*** – controls pumping of blood (\_\_\_\_\_\_\_\_\_\_\_\_)  5. w/***nervous*** – controls all muscle contractions |
| Skeletal | 1. P\_\_\_\_\_\_\_\_\_\_ organs  2. provides shape and support  3. S\_\_\_\_\_\_\_\_\_\_\_\_ materials (fats, minerals)  4. P\_\_\_\_\_\_\_\_\_\_\_ blood cells  5. Allows movement |  | 1. B\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. C\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. L\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. w/***\_\_\_\_\_\_\_\_\_\_\_\_\_***– allow movement  2. w/***circulatory*** – produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells  3. w/***immune*** – produce white blood cells  4. w/***circulatory*** and ***respiratory*** – protects it’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Reproductive | 1. Allows organisms to   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_which prevents their  species from  becoming extinct.   1. In ***SEXUAL*** reproduction, you typically find MALE and FEMALE parts. 2. In ***HUMANS***, hormones from the reproductive system are responsible for PUBERTY. | EndoRepo_D226-27_Male2_sx6730b3  EndoRepo_D228-29_Female2_sx6732b3 | 1. O\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = produce eggs 2. U\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. Fallopian tubes 4. Vagina 5. T\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = produce sperm 6. Urethra 7. P\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8. Scrotum | 1. w/***endocrine*** – controls production of \_\_\_\_\_\_\_\_ cells  2. w/***muscular*** – uterus contracts to give birth controlled by \_\_\_\_\_\_\_\_\_\_ |