**BIOLOGY 2022-23 April 20, 2023**

**Today’s Agenda (Day 148)**

1. HOUSEKEEPING ITEMS

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1. Homework Check:

🡪 ACTIVITY: Identify Bacteria

1. Class Activity:

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🡪 **TEST: Ch 30 – 31**

HOMEWORK:

* READ: Chapter 30 – Mammals
* READ: Chapter 31 – Animal Behaviour
* COMPLETE:
* **STUDY**: Chapter 30 - 31 Test

REMINDERS:

* **~~TEST: Ch 30 - 31 🡪April 20~~**
* **QUIZ: Ch 30 - 32 Vocabulary🡪 May 4**
* **TEST: Ch 32 🡪May 9**
* **TEST: Ch 33 🡪May 11**
* **QUIZ: Ch 33 & 34 Vocabulary🡪 May 18**
* **TEST: Ch 34 🡪May 25**
* **QUIZ: Ch 35 Vocabulary🡪 May 30**
* **TEST: Ch 35 🡪~~May 30~~ JUNE 1**
* **QUIZ: Ch 36 Vocabulary🡪 June 6**
* **TEST: Ch 36 🡪June 8**

Chapter 30 - Mammals

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cerebellum | Cerebral cortex  | Diaphragm | Gestation | Gland | Mammary gland |
| Marsupial | Monotreme | Placenta | Placental mammal | Therapsid | uterus |

Chapter 31 – Animal Behavior

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Agonistic behavior | Altruistic behavior | Behavior | Circadian rhythm | Classical conditioning  | Cognitive behavior |
| Courting behavior | Dominance hierarchy  | fixed action pattern | Foraging behavior | habituation | Imprinting |
| Innate behavior | Language | Learned behavior | Migratory behavior | Nurturing behavior | Operant conditioning  |
| Territorial behavior |  |  |  |  |  |

Chapter 32 Integumentary, Skeletal and Muscular Systems

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| --- | --- | --- | --- | --- | --- |
| Actin | Appendicular skeleton | Axial skeleton | Cardiac muscle | Compact bone | Dermis |
| Epidermis | Hair follicle | Involuntary muscle | Keratin | Ligament | Melanin |
| Myofibril | Myosin | Ossification | Osteoblast | Osteoclast | Osteocyte |
| Red bone marrow | Sarcomere | Sebaceous gland | Skeletal muscle | Smooth muscle | Spongy bone |
| Tendon | Voluntary muscle | Yellow bone marrow |  |  |  |

**BIOLOGY 2022-23 READING GUIDE**

**CH 32 Integumentary, Skeletal, & Muscular System**

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| Review pages 936 – 951 in the Glencoe Science *Biology*Textbookand answer the following questions. 1. What four types of tissue make up the integumentary system?
2. List AND describe the two layers of skin shown in the picture below.

Diagram  Description automatically generated1. Describe the structure of the epidermis.
2. Explain the role of keratin in the epidermis.
3. Describe the structure of the dermis.
4. Explain how hair grows.
5. Explain what happens in the picture below if oil, dirt, and/or bacteria become trapped in the follicles.

Diagram  Description automatically generated1. List AND describe three functions of the integumentary system.
2. Describe how skin heals from cuts and scrapes.
3. Describe how skin cancer is caused.
4. Explain the difference between the axial skeleton and the appendicular skeleton.
5. Compare and contrast compact bone and spongy bone.
6. Compare and contrast red and yellow bone marrow.
7. Describe how bones are formed.
8. Describe how bones are remodeled.
9. Explain what is happening in the fractured bone below.

1. Explain the role of ligaments in our skeletal system.
2. List AND describe five functions of the skeletal system.
3. List AND describe the three types of muscle.
4. Explain the function of tendons in our muscular system.
5. What is the relationship between the following terms: myofibrils, myosin, actin, and sarcomere?
6. Explain what is illustrated below.

 Diagram  Description automatically generated1. Where does the energy for muscle contraction come from?
2. Compare and contrast slow-twitch and fast-twitch muscles.

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