You will be creating a 3D skin model. If you are using a square or rectangle, then three sides and the top must include structures, and the fourth side will include ONE homeostatic imbalance of either three types of skin cancer or three types of skin burns. You do NOT have to use a square/cube/rectangle – but all slides of your model must have structures on it. Think of arts and craft supplies or recycled materials from home that could model these structures. You will need to turn in this page along with your project.

**DUE: October 19 {Early on October 18}**

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| --- | --- |
| **Required Elements** | **Points** |
| All sides have structures (no blank sides) | 5 |
| Model Skin Cancer OR Skin burn   * One side must accurately show EITHER the three types of skin cancer OR three types of skin burns IN DETAIL * The damage is shown through the appropriate layers extending to the outer layer of the skin. * A description of the three types of cancer or three types of skin burn are provided | 15 |
| Each structure and layer must look like the structures – pay close attention to details. Drawings of the structures and layers will NOT count. | 5 |
| Creativity, innovation, and resourcefulness is encouraged | 3 |

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| --- | --- | --- | --- | --- | --- |
|  | **Structure** | **Layer of the skin originated** | **Type of tissue(s)** | **Function** | **Structure accurately marked** |
| 1 | Adipose tissue |  |  |  |  |
| 2 | Apocrine Sweat Gland |  |  |  |  |
| 3 | Arrector pili muscle |  |  |  |  |
| 4 | Blood Vessel |  |  |  |  |
| 5 | Collagen fibers |  |  |  |  |
| 6 | Dermis |  |  |  |  |
| 7 | Eccrine sweat gland |  |  |  |  |
| 8 | Elastin fibers |  |  |  |  |
| 9 | Epidermis |  |  |  |  |
| 10 | Hair |  |  |  |  |
| 11 | Hair follicle |  |  |  |  |
| 13 | Nerve |  |  |  |  |
| 15 | Papillary layer |  |  |  |  |
| 16 | Reticular layer |  |  |  |  |
| 18 | Sebaceous gland |  |  |  |  |
| 19 | Stratum Basale |  |  |  |  |
| 20 | Stratum Corneum |  |  |  |  |
| 21 | Stratum granulosum |  |  |  |  |
| 22 | Stratum Lucidum |  |  |  |  |
| 23 | Stratum Spinosum |  |  |  |  |
| 24 | Subcutaneous/ hypodermis |  |  |  |  |
|  |  |  |  | **TOTAL:** | /72 |