**CLASS SET!!!!!!!**

**Integument: Web Interactives**

**PART 1-**Google  **[SCI: Skin Cancer Investigation](http://sciencenetlinks.com/interactives/skindeep/interactive/index.html" \t "_blank)** and enter the site.  Begin with the **Healthy Skin** section and read about the three layers of the skin by clicking on the image of the skin on the right. Next answer these questions:

* What are the types of cells in the epidermis and how are they related to each other?
* What is melanin and what is its role in the epidermis?
* What is keratin and what does it do?
* What are the two primary features of the dermis?
* Describe the subcutaneous tissue.

To continue through the interactive, click on the right arrow at the bottom of the screen to go to the section **Effects of the Sun on the Skin** and watch the animation about the benefits of the sun and risks of sunlight. Then answer these questions:

* What are some of the benefits of the sun's UV rays?
* How are these rays harmful?

Now go to the section titled **Causes** and read about how over-exposure to the sun can cause skin cancer. Watch the animation on how normal cells multiply and divide to replace damaged or dead cells. Then answer these questions:

* How do UV rays affect normal cell division?
* Why do some people have a greater chance of developing skin cancer compared to others?

Continue on to **Tumors** and answer this question:

* What are the main differences between benign and malignant tumors?

Now click on and read the **Common Risk Factors**. Click on each factor to learn more about the risks. Then answer these questions:

* What are the five most common modifiable risk factors of skin cancer?
* How can where you live increase your chances of developing skin cancer?
* How does genetics play a role?
* What is actinic keratosis?

**Part 2-** Google **Centre of the Cell games.** First choose “Investigate a Suspect Skin Growth” and complete the interactive. Then play the “Unusual Suspects” game

* Write a couple of sentences about what you learned:
* What are the ABCDE’s of skin growths?

Choose “Engineer Skin” and complete the interactive.

* Write a few sentences describing Anna’s skin ulcer and how you treated it:

**Part 3-**Go to: <http://www.purposegames.com/game/skin-anatomy-quiz>

* Take the short quiz until you get 100%! How many tries did it take? (I hope not more than 2)