AIM: How can we explore the various growth hormone disorders? Discovery Channel: “Giants”

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class Period\_\_\_\_\_\_\_\_

Directions: Using complete sentences, answer all questions based on the documentary.

1. Describe how increased growth hormone is affecting the skeletal and nervous system of Igor.

The edxces made his skull grow thicker, but brain did nto grow larger

2. Although giants have elongated bones and muscle are they as strong as they look? Explain.

They may be larger but are not strunger, his mucles are not tacked to the bone. The bones curbe which weakens the mucle. TO much growth hormone impacts rthe way the skelletol mucles move

3. Sandy has acromegaly. What physiological changes has she experienced with increased growth hormone in her adulthood?

Her voice has droped in pitch

4. Acromegalics are usually fatigued after exercise. Based on the documentary, explain why this is the case.

5. The largest giant Robert Wadlow was 7 feet tall! Explain the role of puberty in controlling height.

6. Describe the symptoms of mass syndrome. How does Mass Syndrome differ from other growth hormone disorders?

7. What future remedies do scientists foresee in treating the various forms of growth hormone disorders?