

Name : \_\_\_\_\_

Year Ten Science      Work Requirement and Assessment Task      Date Set: \_\_\_\_\_

### Astronomy Homework Assignment

**PART A**      **Glossary**      Date Due: \_\_\_\_\_

Rule up a glossary table for the following words and explain what each word means.

black hole	constellation	extraterrestrial	galaxy
light year	nebula	neutron star	nova
pulsar	quasar	satellite	supernova

**Part B**      **Researched Information**      Date Due: \_\_\_\_\_

Write out and answer the following questions in your own words. List all sources of information in a correctly written bibliography.

1. How far is a light year in kilometres?
2. How long does sunlight take to get from the Sun to the Earth?
3. If Proxima Centauri blew up today how long would it be before someone on Earth saw the explosion?
4. Why do sunspots look dark and what are two effects they can have on Earth?
5. What is a geostationary satellite and what are some uses for one?
6. How is the human body affected by long periods in a weightless environment?
7. What is space junk and why is it a problem?
8. Find out about one manned and one unmanned space mission. Explain what their purposes were, which country sent them and what was learned from them.

**Part C**      **Media File**      Date Due: \_\_\_\_\_

Collect **THREE** articles from magazines, newspapers or the Internet about Astronomy or Space Exploration

- ∇ The articles must contain scientific information.
  - ∇ They must be from this year
  - ∇ Each article must be of a reasonable size, at least 80 lines.
- For each article:
- ∇ paste a copy of the article onto an A4 page.
  - ∇ write the source of the article and the date published.
  - ∇ summarise the main points.
  - ∇ write a glossary of **at least three** scientific words or words new to you that are used in each article.
  - ∇ give your opinion about, the quality of the article and the information in the article