

## Internet Research Grade 11 Bridge Over The Welland Canal

- |    |   |     |
|----|---|-----|
| 1) | Find a picture of a pneumatic cylinder and label all the parts.   | /5  |
| 2) | What is a Programmable Logic Controller and what is it used for?  | /4  |
| 3) | Find a picture of each of the 4 different bridge styles found along any of the 3 historic and/or existing Welland Canals. Explain how each bridge style works in a paragraph. | /20 |
| 4) | Find the description of a Welland Canal bridge accident and a picture, if possible. Explain how the accident occurred in your own words and in a paragraph.                   | /5  |
| 5) | What is a solenoid and how does work?   | /4  |
| 6) | What is a pneumatic compressor and how does it work?  | /4  |
| 7) | Internet Sources  | /3  |
|    | Total   | /45 |

\*\*Remember that you must include your internet sources and obviously, it can be more than one page long.