

## Grand Designs and Great Failures

*Lesson Title: Ships 3: Grand Designs and Great Failures*  
*Page 1 of 1*

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

- Who built this ship? What was the purpose of the ship?
- When and where was it built?
- What were some of the new innovations in ship design that were built into this ship?
- If possible, discuss how the new ship was tested before sailing.
- What happened to this ship on its maiden (first) voyage? Describe in detail why it sank. Refer to the hull, keel, and ribs, as needed.
- Explain how the load line was exceeded in this ship.
- If a new ship were to be built based on the Titanic or Vasa, what suggestions would you make to the designers to avoid the problems that caused those ships to sink?