How Do Fungi Impact Human Life?

1. Be able to explain why rusts are a major problem in agriculture and give examples of damage caused by a rust.

2. How do biologists attempt to combat parasitic plant fungi? (Why should you peel an apple before eating it?)

3. Regarding some of the chemicals secreted by fungi:
   - Which mushroom genus causes most accidental human deaths if eaten?
   - What is a "magic mushroom" and what are the effects on humans that eat one?
   - What is ergot and where is it found?
   - What are aflatoxins and where are they commonly found?

4. Describe several human diseases that are caused by parasitic fungi (What is a dimorphic yeast?).

5. Indicate how fungi are of benefit to human life regarding:
   - general health of the ecosystem
   - production of pharmaceuticals
the paper-making industry
cheese-making
baking
brewing and wine production