Alexander Fleming was a British bacteriologist and Nobel laureate. He is known for his discovery of the antibiotic, penicillin. He was born near Darvel, Scotland, and educated at Saint Mary's Hospital Medical School of the University of London. He served as professor of bacteriology at St. Mary's Hospital Medical School from 1928 to 1948.

Fleming conducted research in bacteriology, chemotherapy, and immunology. In 1922 he discovered lysozyme, an antiseptic found in tears, body secretions, albumen (egg white), and certain fish plants. His discovery of penicillin came about accidentally in 1928 while researching on influenza. He observed that the mold in one of his culture plates had destroyed the bacteria. This observation helped him develop penicillin therapy. Penicillin is an antibiotic derived from the fungus Penicillium. It can also be created by using artificial processes.
It took Alexander Fleming another ten years before penicillin was concentrated. It was studied by German-British biochemist Ernst Chain, Australian pathologist Sir Howard Florey, and other scientists.

In 1945 he shared the Nobel Prize in physiology or medicine with German-British biochemist Ernst Boris Chain and Australian pathologist Howard Walter Florey for their contributions to the development of penicillin.
Comprehension Questions:

1. Where was Alexander Flemming from?
   ______________________________________
   ______________________________________

2. Where did Alexander Fleming study?
   ______________________________________
   ______________________________________

3. What did he discover?
   ______________________________________
   ______________________________________

4. What did he teach in St. Mary's Hospital Medical School?
   ______________________________________
   ______________________________________

5. When did he teach in St. Mary's Hospital Medical School?
   ______________________________________
   ______________________________________

6. What did he conduct research in?
   ______________________________________
   ______________________________________

7. What is lysozyme?
   ______________________________________
   ______________________________________
8. What was he doing when he accidentally discovered penicillin?
_____________________________________
_____________________________________

9. What did the mold do to the bacteria?
_____________________________________
_____________________________________

10. Where does penicillin come from?
_____________________________________
_____________________________________

11. How long did Fleming take to make concentrated penicillin?
_____________________________________
_____________________________________

12. Who were the two scientists who helped him develop penicillin?
_____________________________________
_____________________________________

13. What award did they receive?
_____________________________________
_____________________________________
Facebook, MySpace or Tuenti

Internet sites like Facebook, MySpace or Tuenti allow you to create online identities through personal web pages. With your web page, you can chat, share photos, and tell people all about yourself.

These sites are known as social networking sites because they let you create a group of online friends.

Rules to Follow

If you like to have fun with friends online, here are some rules to remember so you can stay safe, avoid problems, and enjoy using the internet:

**Stick to safe sites.** Your parents and teachers can inform you about the best sites for you. If you need an account and password, ask a parent first.

**Guard your passwords.** Don’t share your passwords with anyone except your parents. Imagine if someone signs in for you. This person can say or do anything silly or dangerous using your identity!
Limit and be careful with what you share. It’s very important for you to first think carefully before typing when you’re telling something about yourself online. You should never tell a stranger where you live or give out your phone number.

Anything you post on the internet or on a site can stay online forever, even if you try to delete it. It’s easy for anyone to copy, save, and forward information online. Remember that if you don’t want your entire class to know something, don’t share it with anyone online.

Don’t be rude, mean or embarrass other people online. Just like you, there’s a real person attached to that screen name who has feelings, too.

Always tell an adult if you see strange or bad online behaviour. Tell an adult if someone says something to you that makes your uncomfortable.

Choose your online friends. Some sites let you make lots of friends with people you don’t know. Online friends are not the same as real in-person friends. Never agree to meet an online friend in person or give out personal information about yourself, such as your address, your school or your phone number. This is dangerous because some people pretend to be your age online, but actually they are creepy adults.
Comprehension Questions:

1. What do social networking sites let you do?

________________________________________________________________________
________________________________________________________________________

2. Why is it important to follow safety rules when using the internet?

________________________________________________________________________
________________________________________________________________________

3. Why is it important to limit what you share on the internet?

________________________________________________________________________
________________________________________________________________________

4. What would be a good guide to know what to post and what not to post online?

________________________________________________________________________
________________________________________________________________________

5. Why shouldn't we be rude, mean or embarrass people on the internet?

________________________________________________________________________
________________________________________________________________________

6. What should you do if you see or experience something strange or bad online?

________________________________________________________________________
________________________________________________________________________
7. What information should you never share on the internet?

______________________________________
______________________________________

8. Why should you be choosy about the friends you make online?

______________________________________
______________________________________

9. Write five important safety rules to follow about using the internet:

______________________________________
______________________________________
______________________________________
______________________________________
______________________________________

10. Why shouldn’t you share your password with anyone except your parents?

______________________________________

______________________________________