

1. What do acids, bases and salts have in common (list as many things as possible)?

2.	Acids	Bases	Salts
Uses			
Common state (solid, liquid, gas or aqueous)			
Changes litmus paper to what color			N/A
Oxides	Oxides of _____	Oxides of _____	N/A
Usually contain	____ group	____ group	N/A
pH			N/A
According to _____-Lowery Theory	Proton _____	Proton _____	N/A
According to Lewis Theory	Electron-pair _____	Electron-pair _____	N/A

3. How many Hydronium ions are there in 1 liter of pure water?

4. Where did the concept of pH come from?

b. What does the p stand for in pH?

c. What does the H stand for in pH?

5. How can changes in pH be controlled? Discuss how this occurs.

6. What are the three results of mixing an acid and base?

7. Pollution from smoke and exhaust fumes form \_\_\_\_\_ that return to earth via \_\_\_\_\_.

b. Sometimes these can have a pH of \_\_\_\_\_ or even lower.

c. However, by the time the water reaches rivers and lakes it may have a pH close to 7. Explain how this occurs.