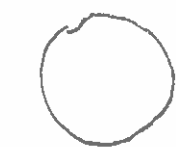


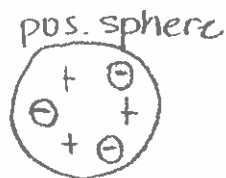
Chemistry: Atomic Models

Name: _____
Period: _____ Date: _____

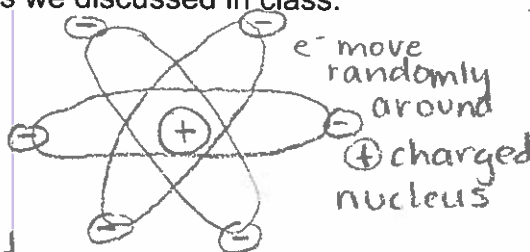
1. Draw the 5 atomic models we discussed in class.



1803
Dalton

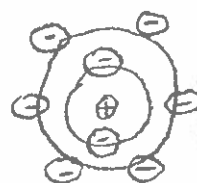


pos. sphere
neg e⁻ embedded
1897
Thomson



1911
Rutherford

E levels



1913
Bohr



1926
Electron Cloud Model

2. **How** have the models changed over time?

Solid sphere → subatomic particles → pos. charged nucleus →
e⁻ in E levels → e⁻ cloud showing likely location of e⁻

3. **Why** have the models changed over time?

New tech & experimentation, scientists building off each other's ideas, the desire to prove competitor wrong!

4. **Could** the current standard model change? **What** would have to happen for it to change?

sure?! see #3!