

Atomic Theory: Ancient to Modern Chemistry

Name

Democritus and Socrates are having a friendly debate. The question is: What is the universe made up of? Write their debate responses.



List the five parts of Dalton's Atomic Theory. Then indicate if each is true or false, according to later developments.

| | | |
|---|---|---|
| 1 | T | F |
| 2 | T | F |
| 3 | T | F |
| 4 | T | F |
| 5 | T | F |

| Scientist | Discovered | Experiment name | Experiment results summary | Model of the atom | Experimental set-up |
|--------------------------|--|------------------------|-----------------------------------|--------------------------|----------------------------|
| J.J. Thomson | | | | | |
| | <i>Fundamental charge of electrons</i> | | | | |
| Ernest Rutherford | | | | | |
| | <i>Neutron</i> | | | | |