Continuous or Discontinuous



ancient Greece



Democritus



VS.



Aristotle

Is there a smallest particle?

Yes, there is.

No, there is not.



Democritus



- ➤ Matter is discontinuous.
- > All matter is made up of atoms.
- > Atoms are indivisible.
- ➤ Atoms have spaces (voids) between them.

"Nothing exists except atoms and empty space; everything else is opinion."

Aristotle

- ➤ Matter is continuous.
- There is no such thing as a smallest particle.
- All matter (on Earth) is made up of a combination of 4 elements: earth, water, air, and fire.
- ➤ He later added a fifth element: aether (that makes up the stars).

"The roots of education are bitter, but the fruit is sweet."

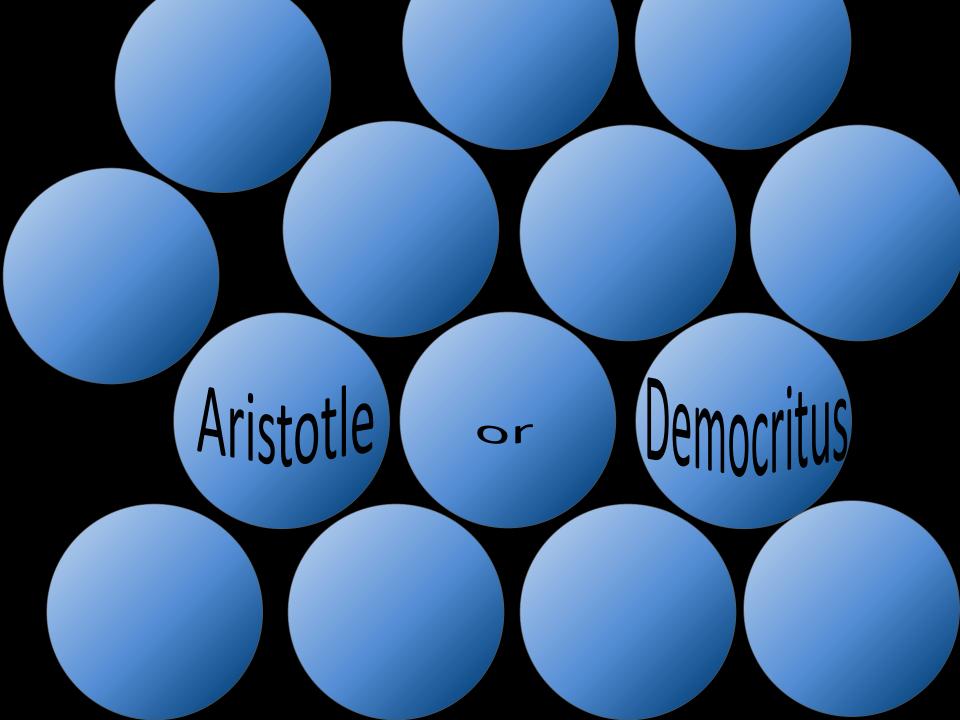


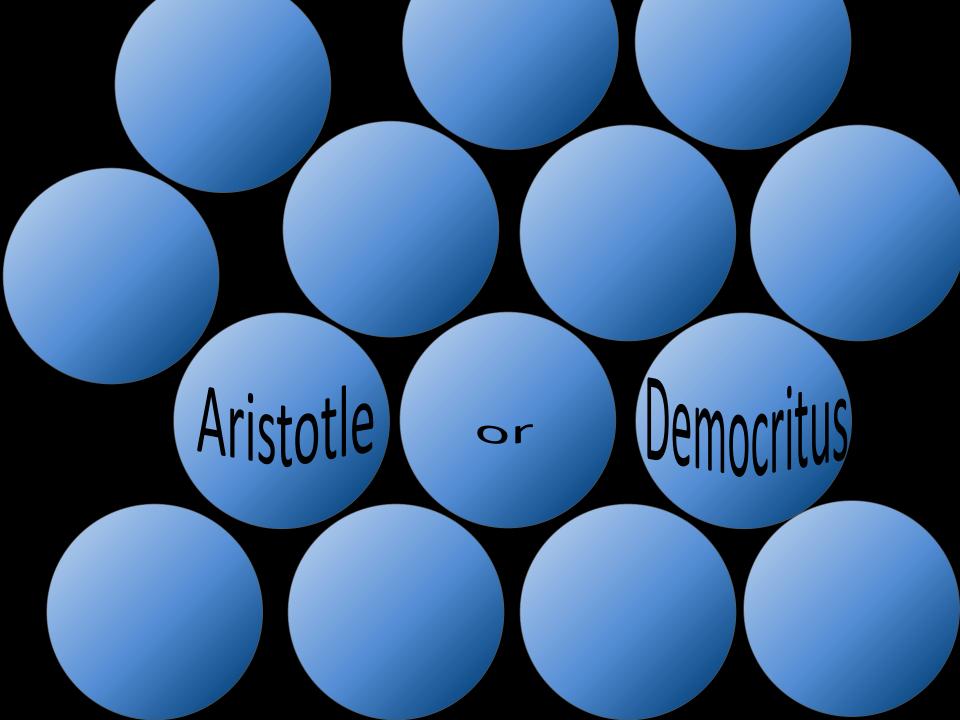
POP QUIZ

Aristotle or Democritus?









SUN IS OUT OUT OUT OUT

Aristotle or Democritus

It's an anagram

SUN IS OUT OUT OUT

Aristotle or Democritus

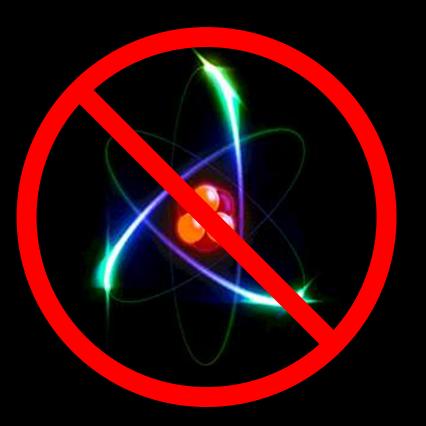
Aristotle or Democritus



Aristotle or Democritus

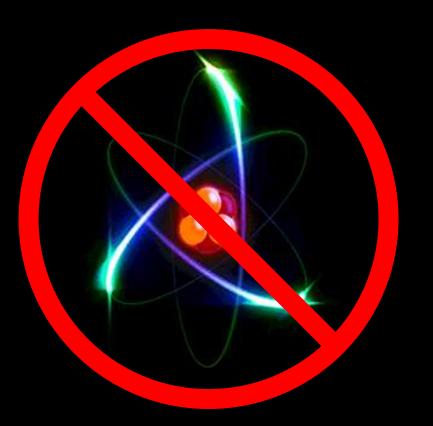


Aristotle or Democritus?



There is NO smallest particle!

Aristotle or Democritus?



There is NO smallest particle!

Aristotle

IF WE ARE MADE OF ATOMS, THEN A SCIENTIST STUDYING ATOMS IS ACTUALLY A GROUP OF ATOMS STUDYING THEMSELVES