# ATOMIC THEORY PRACTICE QUIZ

**Which of the following is the philosopher credited with coining the term "atom"?**

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|  **A:** Socrates |
|  **B:** Aristotle |
|  **C:** Democritus |
|  **D:** Plato |

**Which of the following philosophers supplanted the correct theory of matter with his own, stating that there are only four elements: earth, air, fire and water?**

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|  |
|  **A:** Socrates |
|  **B:** Aristotle |
|  **C:** Democritus |
|  **D:** Plato |

**What is the name of the scientist credited with reviving Democritus' ideas regarding matter and atoms?**

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|  **A:** John Adams |
|  **B:** John Jacob |
|  **C:** John Smith |
|  **D:** John Dalton |

**Which scientist used the cathode ray tube to isolate the electron in 1897?**

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|  **A:** J.J. Thomson |
|  **B:** Niels Bohr |
|  **C:** Robert Millikan |
|  **D:** Ernest Rutherford |

**Which scientist furthered knowledge of the electron by determining its charge and mass using an oil-drop experiment in 1909?**

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|  **A:** J.J. Thomson |
|  **B:** Robert Millikan |
|  **C:** Niels Bohr |
|  **D:** Ernest Rutherford |

**Which scientist, using the gold-foil experiment, isolated the nucleus in 1911?**

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|  |
|  **A:** J. J. Thomson |
|  **B:** Robert Millikan |
|  **C:** Niels Bohr |
|  **D:** Ernest Rutherford |

**Who is the scientist that developed what is known as the "planetary model" of the atom?**

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|  **A:** James Chadwick |
|  **B:** William Crookes |
|  **C:** Niels Bohr |
|  **D:** Ernest Rutherford |

**What is the name of the researcher who isolated the neutron in 1932?**

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|  **A:** J. J. Thomson |
|  **B:** Ernest Rutherford |
|  **C:** Robert Millikan |
|  **D:** James Chadwick |

**What subatomic particle represents the "plums" in the plum pudding model?**

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|  **A:** protons |
|  **B:** neutrons |
|  **C:** electrons |
|  **D:** positrons |

**Rutherford is credited with discovering which part of the atom?**

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|  |
|  **A:** protons |
|  **B:** electrons |
|  **C:** nucleus |
|  **D:** neutrons |

**What is the name of Rutherford’s model of the atom?**

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|  **A:** Plum Pudding |
|  **B:** Planetary |
|  **C:** Nuclear |

**What is the name of Bohr's model?**

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|  |
|  **A:** Plum Pudding |
|  **B:** Planetary |
|  **C:** Nuclear |

**Which subatomic particle has a positive charge?**

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|  **A:** electron |
|  **B:** proton |
|  **C:** neutron |

**Which subatomic particles have an approximate the same mass?**

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|  **A:** electrons & protons |
|  **B:** protons & neutrons |
|  **C:** neutrons & electrons |

**Which subatomic particle is located outside of the nucleus?**

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|  |
|  **A:** electron |
|  **B:** proton |
|  **C:** neutron |

**Which subatomic particle has no charge?**

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|  |
|  **A:** electron |
|  **B:** proton |
|  **C:** neutron |

**Which subatomic particle has a charge of -1?**

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|  |
|  **A:** electron |
|  **B:** proton |
|  **C:** neutron |

**Where is the proton located?**

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|  |
|  **A:** inside the nucleus |
|  **B:** outside the nucleus |

**What subatomic particle is responsible for element identity?**

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|  |
|  **A:** electron |
|  **B:** neutron |
|  **C:** proton |

**What subatomic particle has an approximate mass of 1/1840?**

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|  |
|  **A:** proton |
|  **B:** electron |
|  **C:** neutron |

**Where is the neutron located?**

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|  |
|  **A:** inside the nucleus |
|  **B:** outside the nucleus |

**Which subatomic particle identifies isotopes?**

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|  |
|  **A:** electron |
|  **B:** proton |
|  **C:** neutron |