

Speed Quizzing

What is a control group?



A group that is not changed and is kept under normal conditions

What does the WHMIS symbol depicting a tree mean?

May cause damage to the aquatic environment.



Hazardous to the Environment



Flammable materials



Toxic



observe

question



Explosion risk

experiment



Oxidising

A fast-moving review activity where students quiz each other, swap cards, then move on to someone new.

Science Skills and Safety

32 Questions

Speed Quizzing - Science Skills and Safety

_____ helps people understand and evaluate information relating to science and technology in the world so that they can make better decisions.	What does HHPS stand for and what does it indicate?
Scientific literacy	Hazardous Household Product Symbols The type and degree of danger of household products
What does the WHMIS symbol depicting a flame over a circle mean?	What does the WHMIS symbol depicting a tree mean?
Oxidizing hazard	May cause damage to the aquatic environment.
What does MSDS stand for and what does it contain information about?	What does WHMIS stand for?
Material Safety Data Sheet Chemicals used in a lab	Workplace Hazardous Material Information System
What is the meaning of the HHPS upside-down triangle?	How is poison symbolized in HHPS?
Caution	With a skull and crossbones
What is an observation?	A statement based on reasoning from observation
A statement of facts and occurrences that are made using our senses and measurements	Inference
What is the form of scientific notation?	What does the scientific notation mean?
$a \times 10^n$	How many times the number is multiplied or divided by 10
What is 42,000,000,000 in scientific notation?	What is 0.00001 in scientific notation?
4.2×10^{10}	1×10^{-5}

What does the x-axis of a graph represent?	In which step of the scientific method do you state whether your hypothesis was accepted or rejected?
Independent variable	Conclusion
Convert 2.7 m to mm.	What is a control group?
2700 mm	A group that is not changed and is kept under normal conditions

Fix 674.71×10^5 so that it is in proper scientific notation.	What is a sequential list?
6.7471×10^7	A sequential list to be followed in an experiment
Any digit that is _____ or _____ will be considered significant.	When are zeros significant?
measured, estimated	When they are zeros before the decimal point
When are zeros not significant?	Round 674.7 to the nearest whole number.
When they indicate the position of the decimal.	675
3.5×8.24	4.2
29	7.5
What are the rules for rounding?	What are the ten steps of the scientific method?
If the number to the right of the digit to be rounded is 5 or greater, round up. If it is less than 5, leave it be.	Questioning, controlling variables, making a hypothesis, planning, performing, observing, analyzing, discussing, concluding, and communicating
What is an independent variable?	What is a dependent variable?
A variable that is changed	A variable that is affected by the independent variable
What is a hypothesis?	What is the minimum number of times should you repeat an experiment?
A tentative answer about the outcome of an experiment	3

- ✓ Challenge your students!
- ✓ Questions cover material directly from the lessons
- ✓ Get students up and moving around
- ✓ Very little preparation required

How to Implement

- Provide each student with a flash card
- Pair up students using the stand up/hands up/pair up method
- Partner A reads the question to Partner B, who answers. Partner A praises if correct or coaches if incorrect.
- Partners switch roles
- Students thank each other and switch cards.
- Partners raise their hands to find a new partner.
- Repeat for specified amount of time

Why Use Speed Quizzing?

- Prompts meaningful student conversation
- Review prior knowledge
- Review new terms/problems after a unit
- Gather student ideas
- Remediate weak skills
- Practice new skills