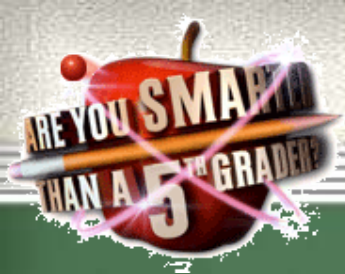
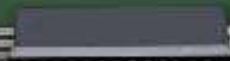




ARE YOU SMARTER  
THAN A 5<sup>TH</sup> GRADER?



# Are You Smarter Than a 5<sup>th</sup> Grader? Variables Edition



1,000,000

500,000

300,000

175,000

100,000

50,000

25,000

10,000

5,000

2,000

1,000

# Are You Smarter Than a 5<sup>th</sup> Grader?

5th Grade Safety

5th Grade Results

4th Grade Scientific Method

4th Grade Investigations

3rd Grade Tools

3rd Grade Scientific Method

2nd Grade Investigations


2nd Grade Measurement

1st Grade Scientific Method

1st Grade Investigations


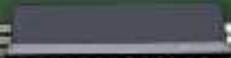



# 5th Grade Safety Question

- 
- / Students are using an electric heating coil, thermometer, and beaker to study how water changes from a liquid to gas.
  - / Identify a possible hazard and safety precaution.

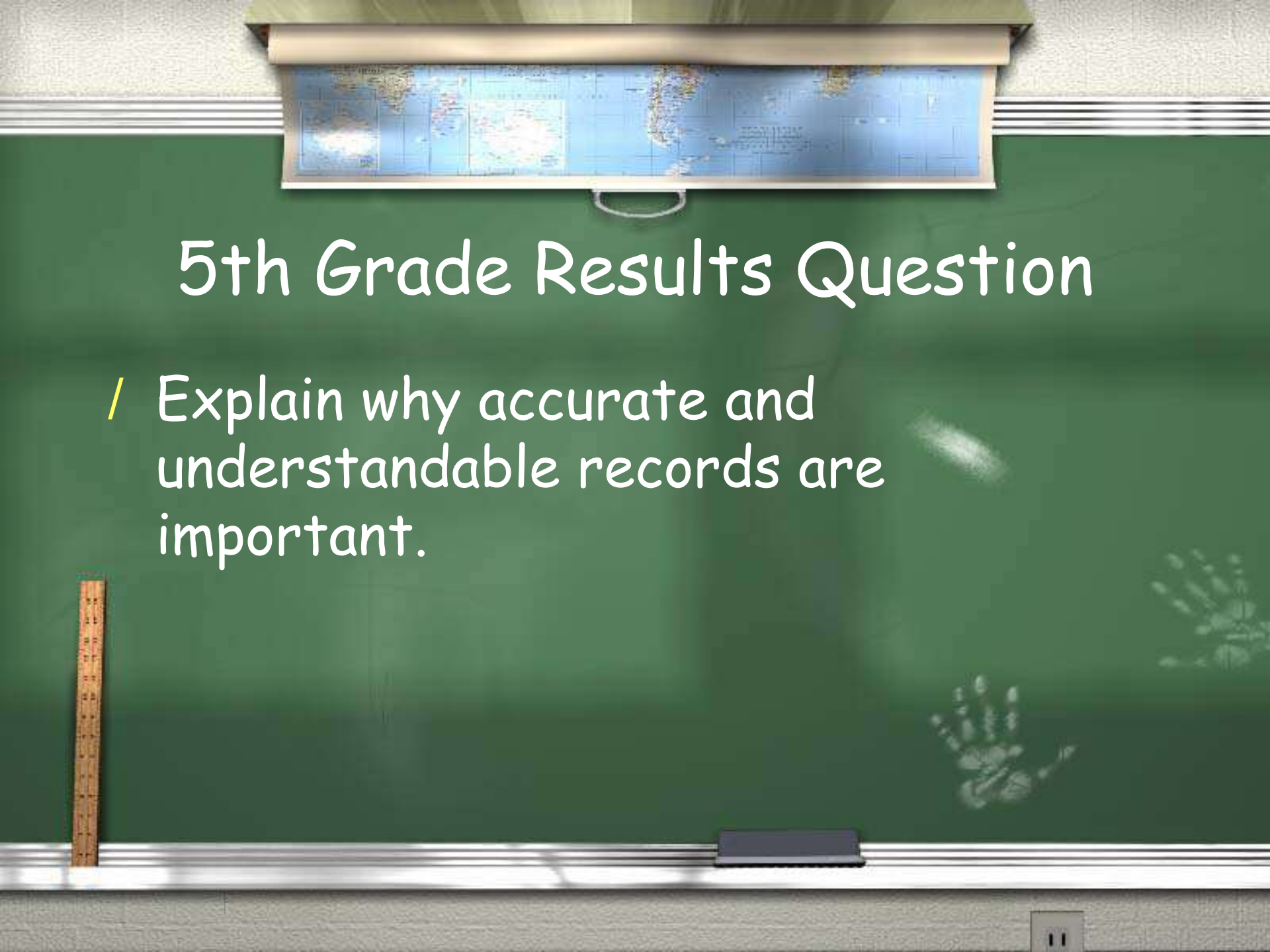


## 5th Grade Safety Answer

- / A potential hazard is that students may get burned.
  - / A safety precaution is for students to not touch the heating coil without protective gloves (potholders) or for the teacher to be in charge of the electric heating coil.
- 
- 
- 

Return





# 5th Grade Results Question

- / Explain why accurate and understandable records are important.

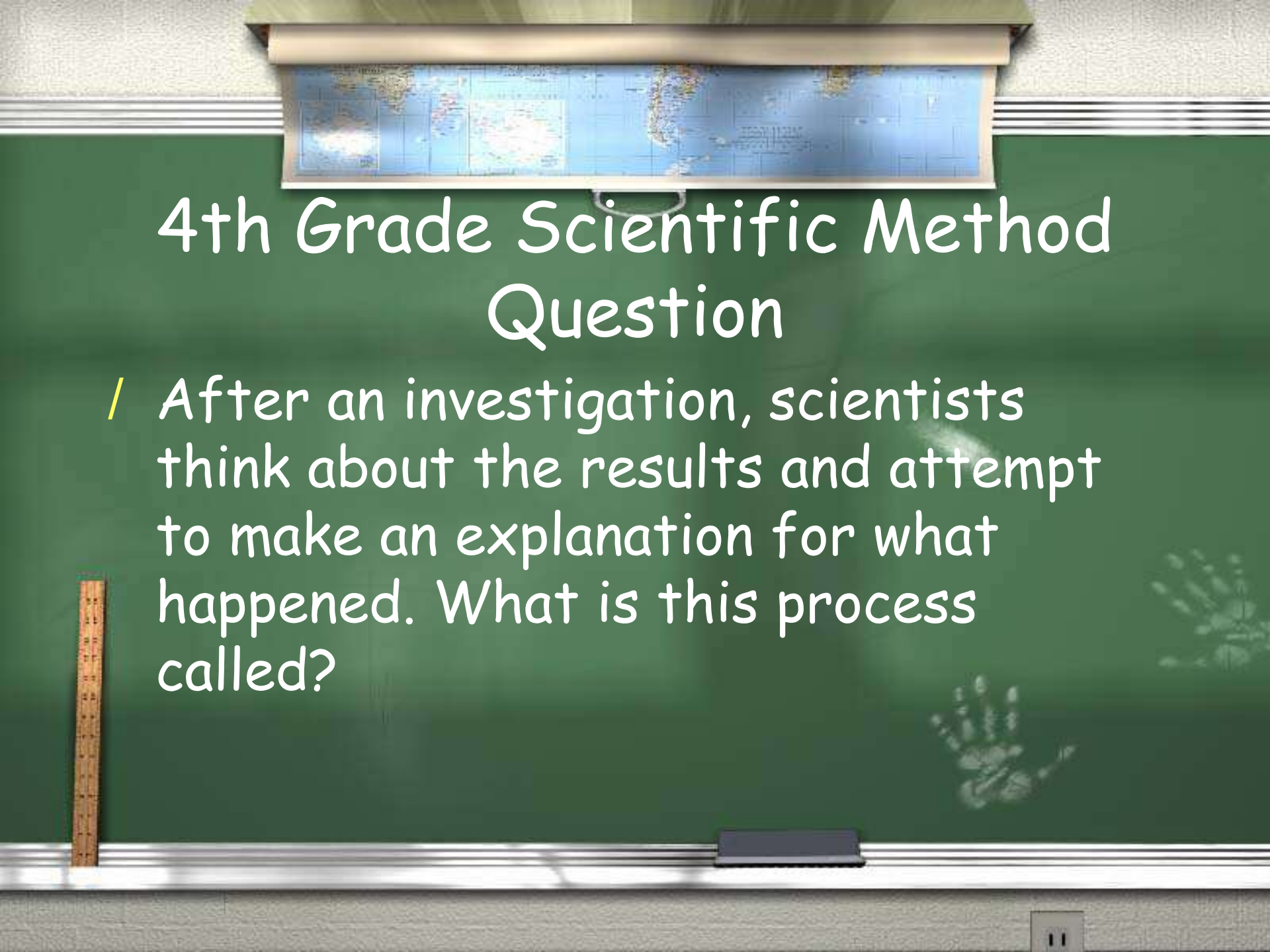


## 5th Grade Results Answer

- / Accurate and understandable records are important so scientists can compare results, repeat experiments, and draw conclusions.




Return



# 4th Grade Scientific Method Question

- / After an investigation, scientists think about the results and attempt to make an explanation for what happened. What is this process called?



# 4th Grade Scientific Method Answer

/ Drawing conclusions

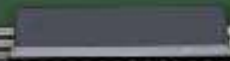


Return




# 4th Grade Investigations Question

- / Which type of investigation requires a scientist to ask people questions?


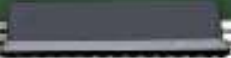







# 4th Grade Investigations Answer

/ Survey



Return



## 3rd Grade Tools Question

- / Which tool and unit would a scientist use to measure the mass of an object?

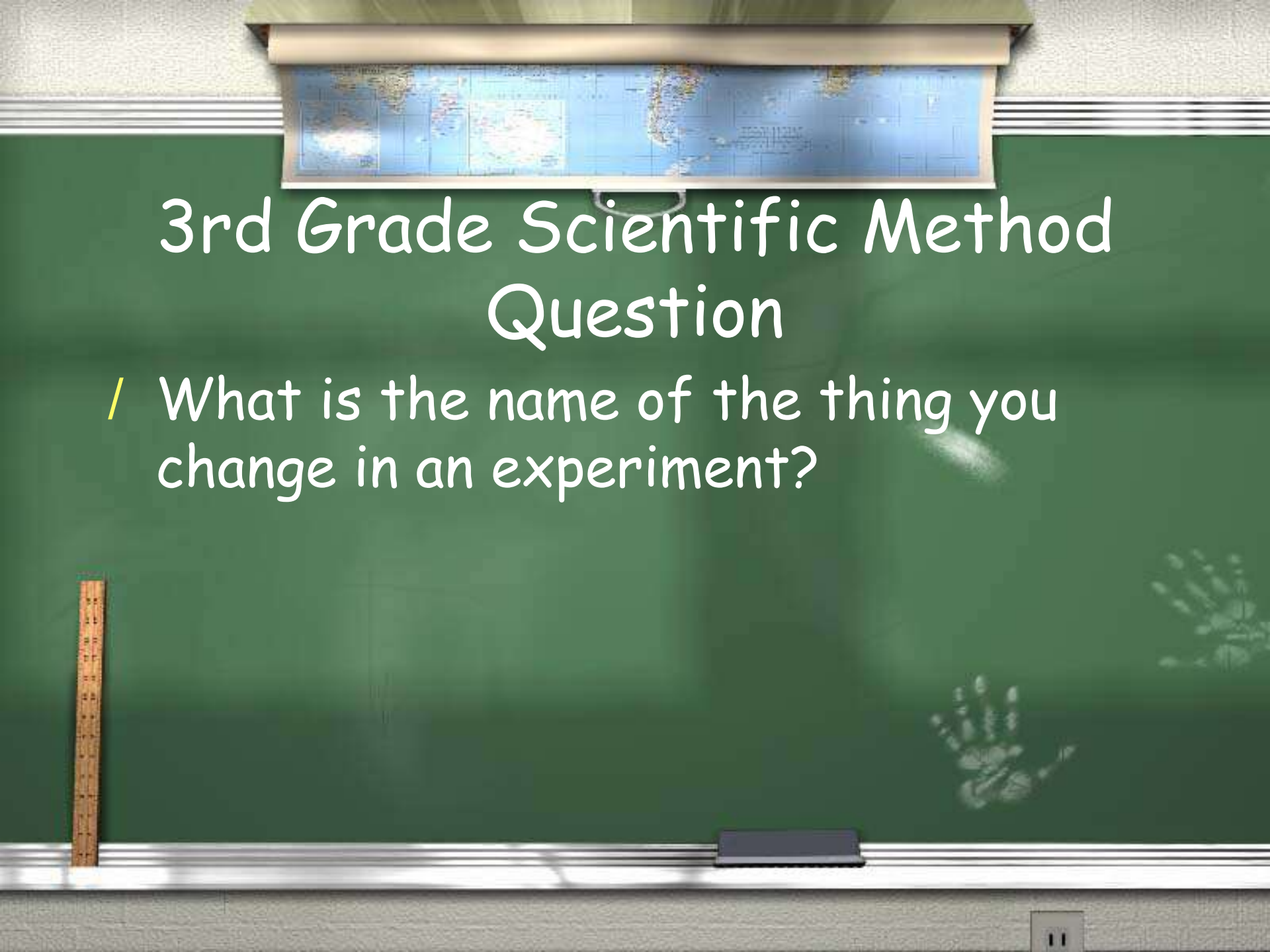


# 3rd Grade Tools Answer

/ Balance and grams (g)


Return





# 3rd Grade Scientific Method Question

- / What is the name of the thing you change in an experiment?



# 3rd Grade Scientific Method Answer

/ Variable




Return



# 2nd Grade Investigations Question

- / Which type of investigation involves reading other people's work, books, and conclusions?






# 2nd Grade Investigations Answer

/ Research



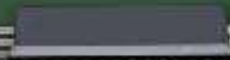



Return



# 2nd Grade Measurement Question

- / Which tool and unit would a scientist use to measure the volume of a liquid?



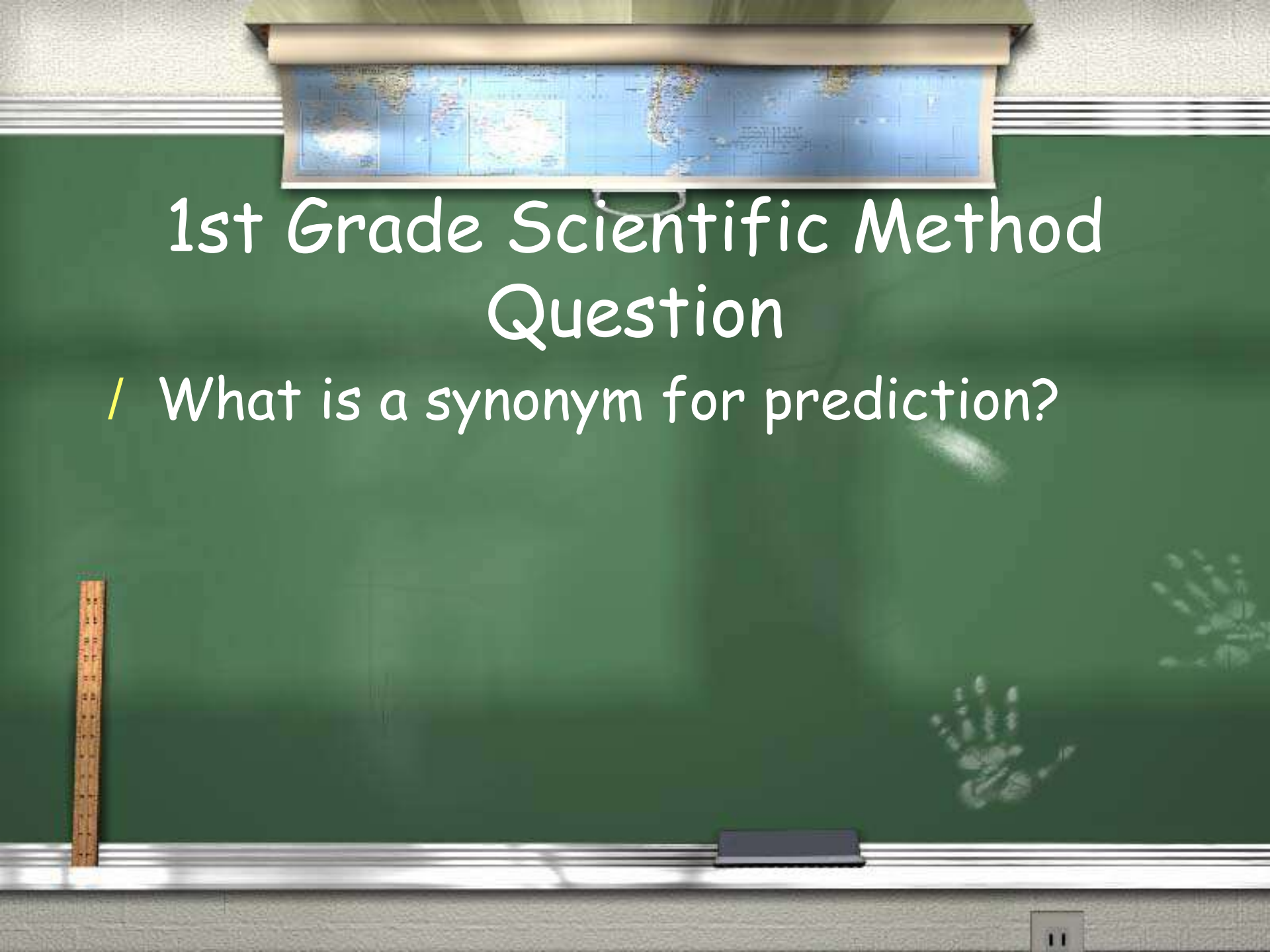


# 2nd Grade Measurement Answer

/ Beaker or graduated cylinder and  
milliliter (mL)




Return



# 1st Grade Scientific Method Question

/ What is a synonym for prediction?



# 1st Grade Scientific Method Answer

/ Hypothesis



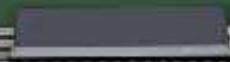



Return



# 1st Grade Investigations Question

- / Which type of investigation involves watching something regularly for a long period of time?





# 1st Grade Investigations Answer

/ Observation



Return



# Million Dollar Question Grade Level Topic

Scientific Design Process (Scientific  
Method)




# 1,000,000 Question

- / Identify 5 steps, in order, in the scientific design process.





# 1,000,000 Answer

- / Identify the problem or question
  - / Identify possible solutions  
(Hypothesis & plan the experiment)
  - / Test the possible solutions (do the experiment)
  - / Record results
  - / Draw conclusions
- 



Thanks for Playing