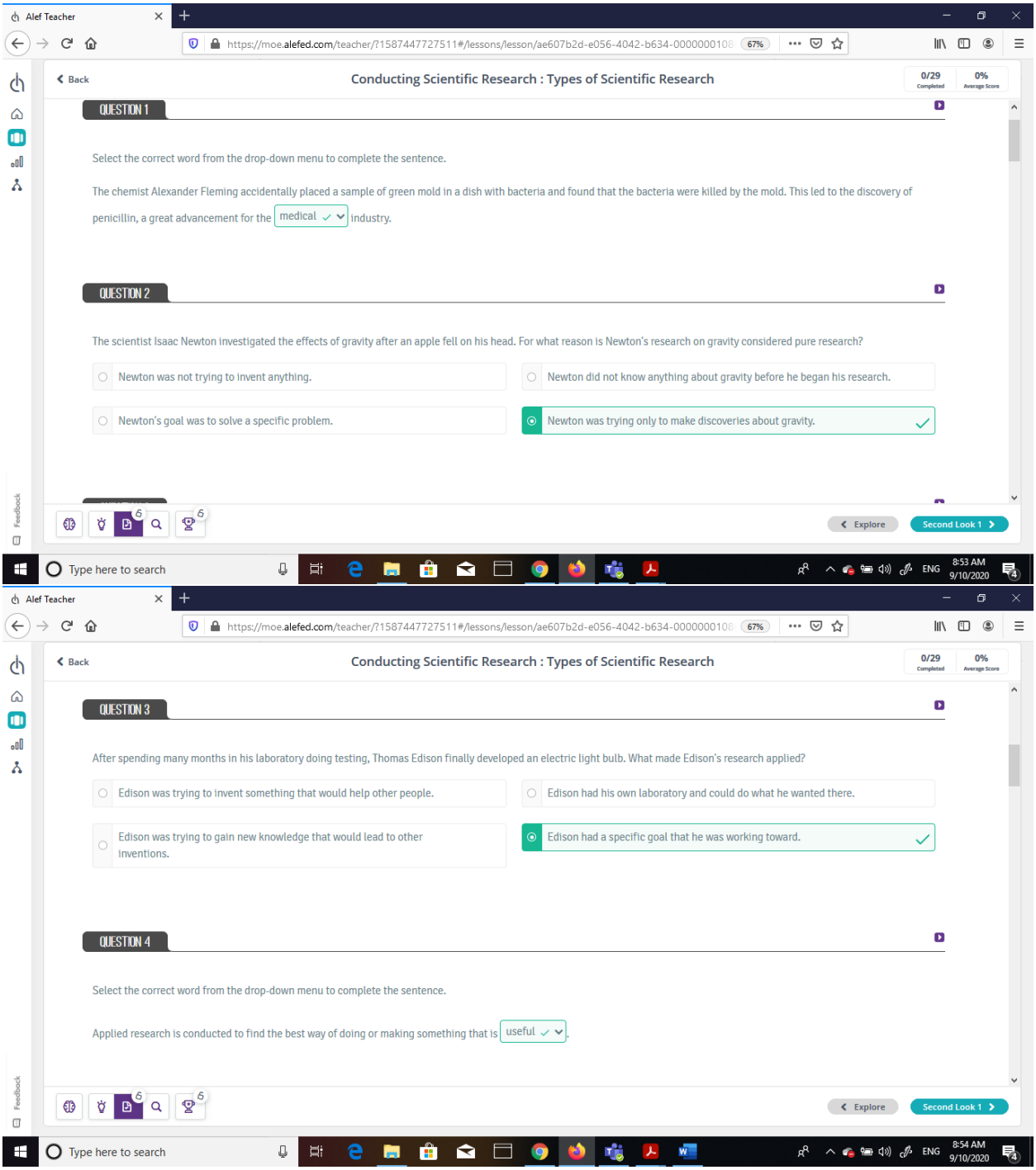
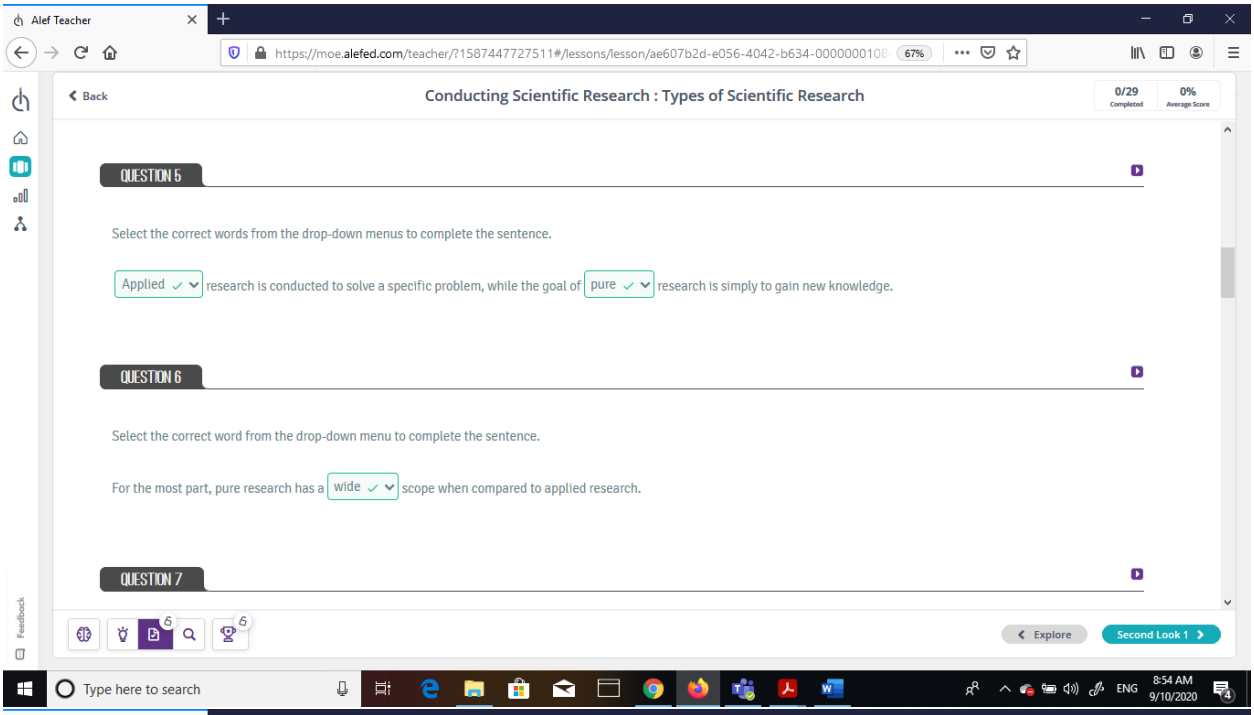
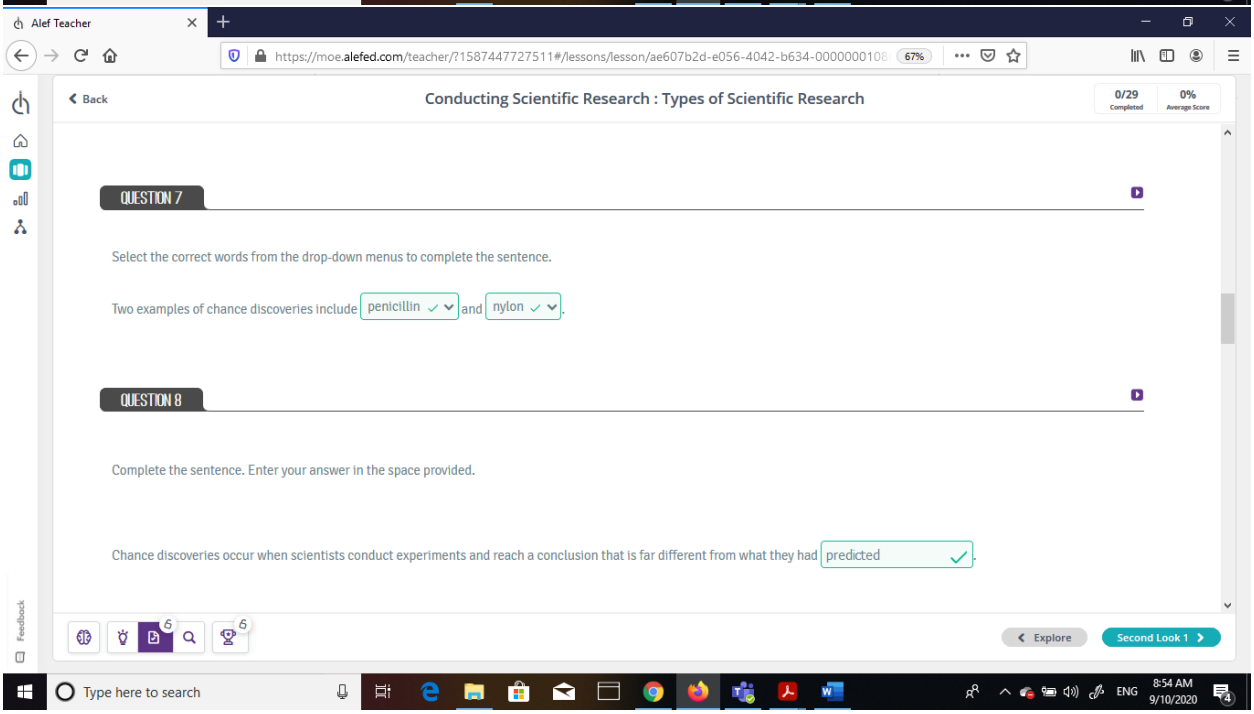
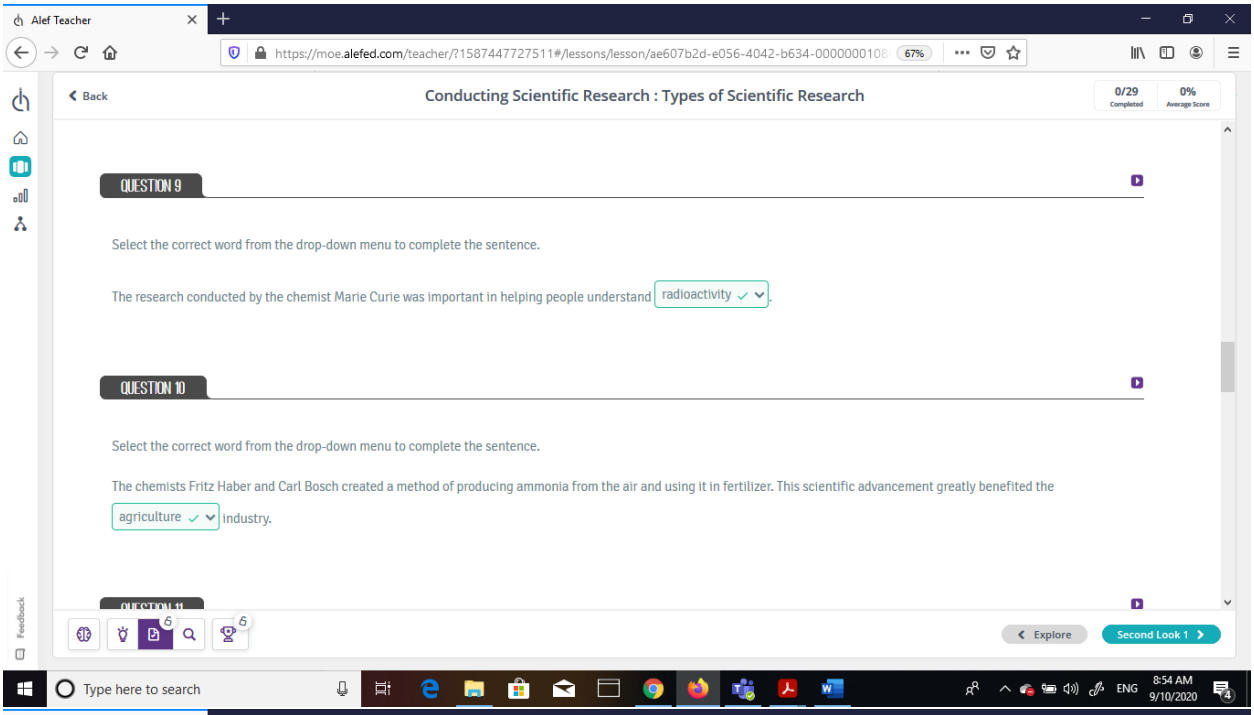
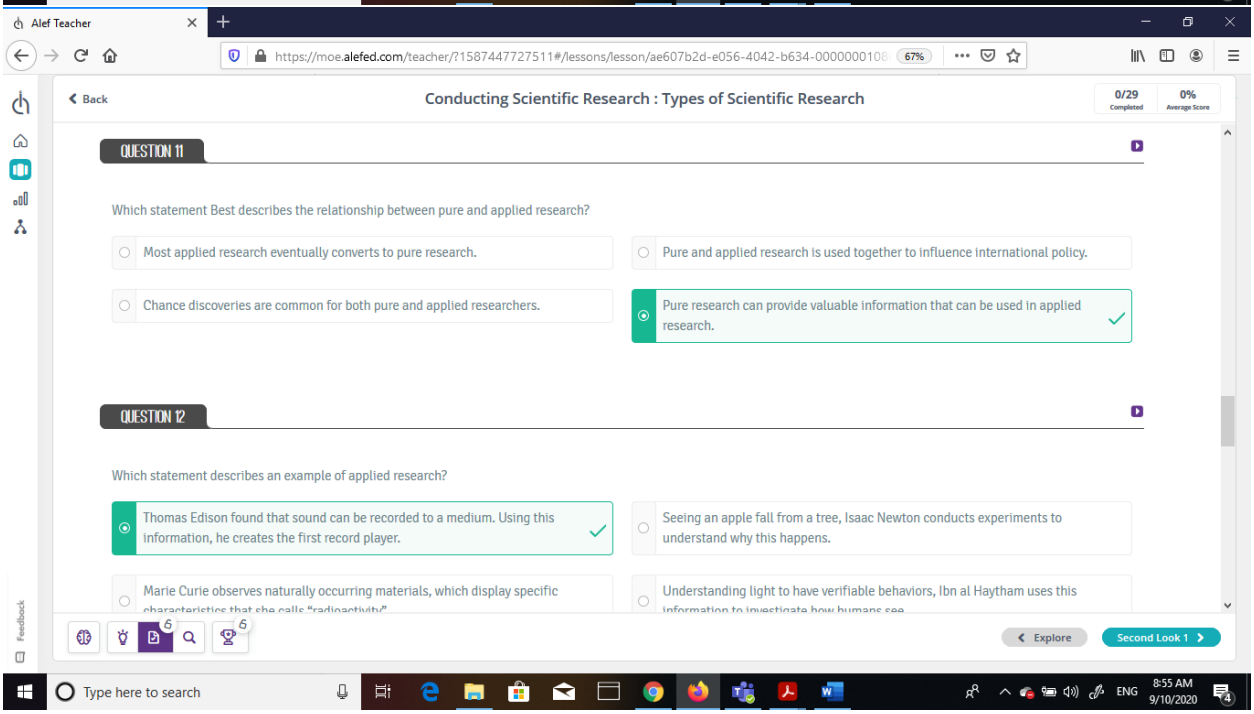
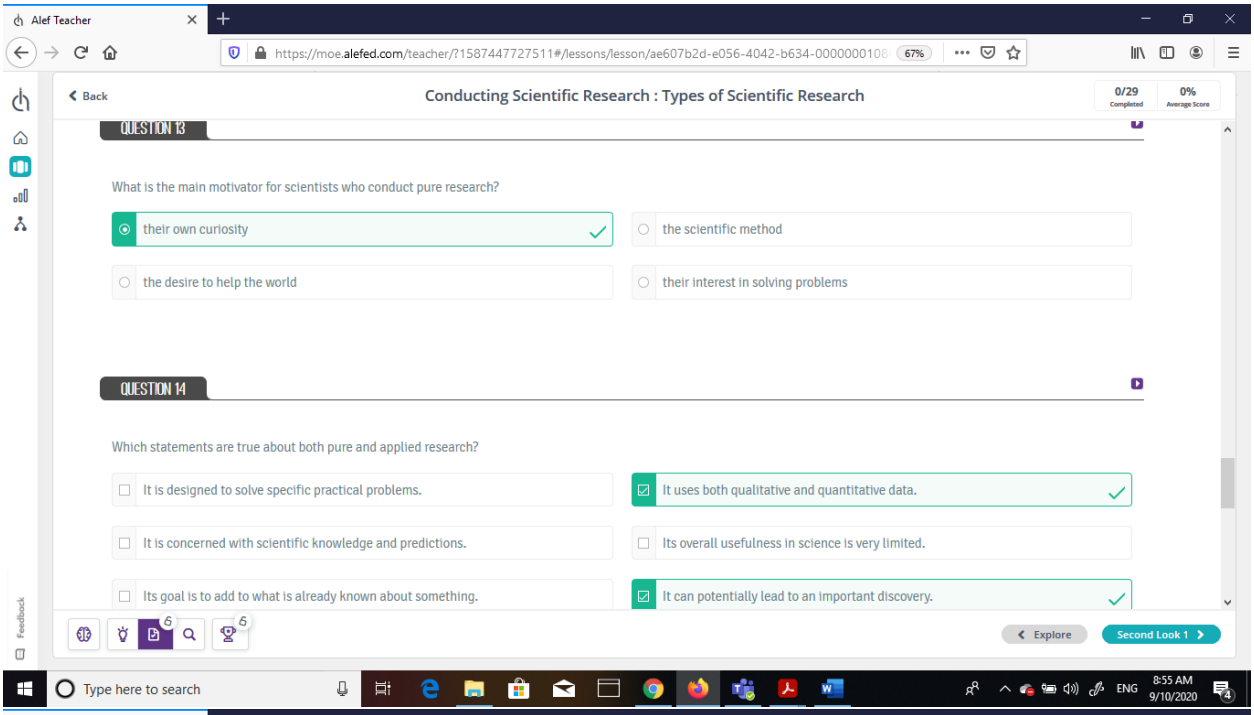

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QUESTION 1
Select the correct word from the drop-down menu to complete the sentence.
The chemist Alexander Fleming accidentally placed a sample of green mold in a dish with bacteria and found that the bacteria were killed by the mold. This led to the discovery of penicillin, a great advancement for the medical industry.
QUESTION 2
The scientist Isaac Newton investigated the effects of gravity after an apple fell on his head. For what reason is Newton's research on gravity considered pure research?
Newton was not trying to invent anything.
Newton did not know anything about gravity before he began his research.
Newton's goal was to solve a specific problem.
Newton was trying only to make discoveries about gravity.
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QUESTION 3
After spending many months in his laboratory doing testing, Thomas Edison finally developed an electric light bulb. What made Edison's research applied?
Edison was trying to invent something that would help other people.
Edison had his own laboratory and could do what he wanted there.
Edison was trying to gain new knowledge that would lead to other inventions.
Edison had a specific goal that he was working toward.
QUESTION 4
Select the correct word from the drop-down menu to complete the sentence.
Applied research is conducted to find the best way of doing or making something that is useful.
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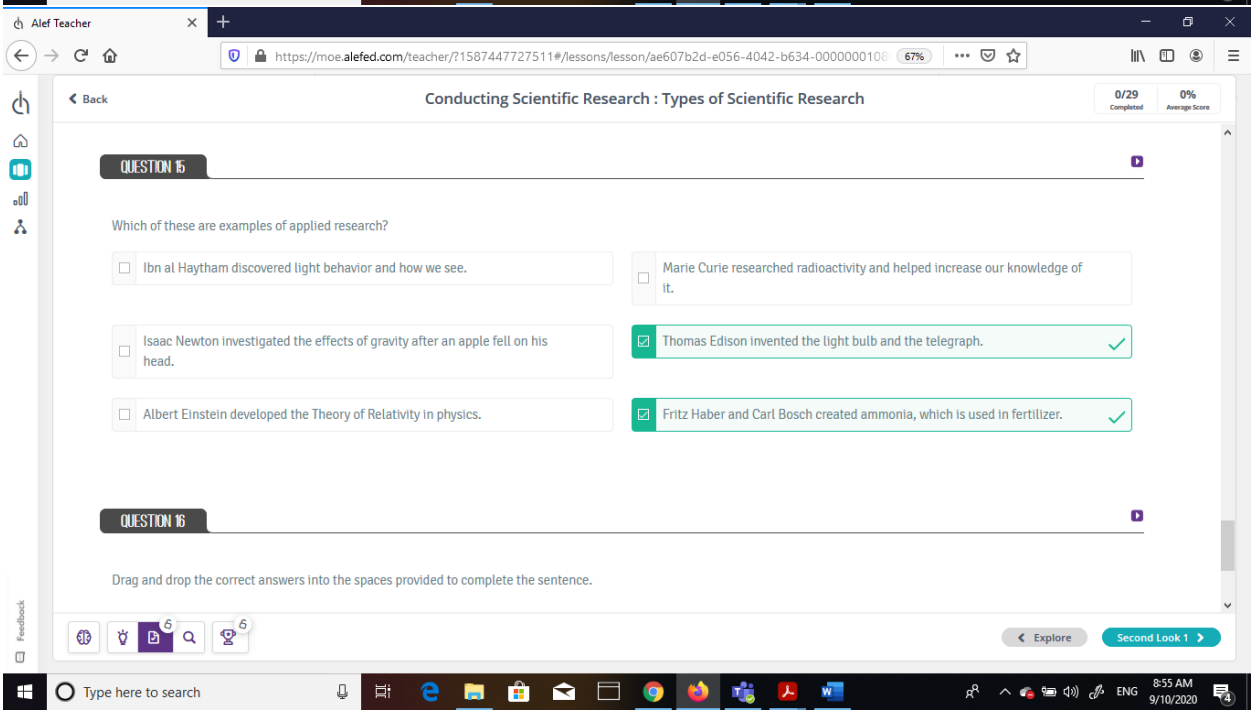

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QUESTION 5
Select the correct words from the drop-down menus to complete the sentence.
Applied research is conducted to solve a specific problem, while the goal of pure research is simply to gain new knowledge.
QUESTION 6
Select the correct word from the drop-down menu to complete the sentence.
For the most part, pure research has a wide scope when compared to applied research.
QUESTION 7
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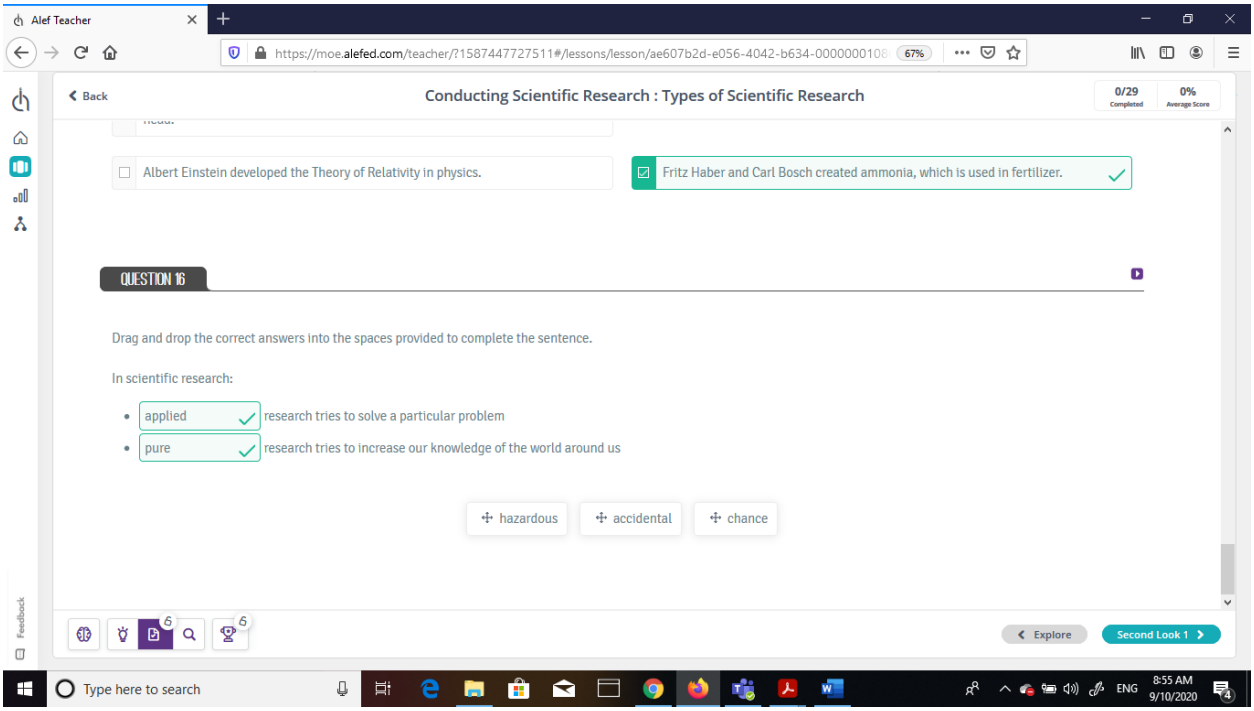

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QUESTION 7
Select the correct words from the drop-down menus to complete the sentence.
Two examples of chance discoveries include penicillin and nylon.
QUESTION 8
Complete the sentence. Enter your answer in the space provided.
Chance discoveries occur when scientists conduct experiments and reach a conclusion that is far different from what they had predicted.
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QUESTION 9
Select the correct word from the drop-down menu to complete the sentence.
The research conducted by the chemist Marie Curie was important in helping people understand radioactivity .
QUESTION 10
Select the correct word from the drop-down menu to complete the sentence.
The chemists Fritz Haber and Carl Bosch created a method of producing ammonia from the air and using it in fertilizer. This scientific advancement greatly benefited the
agriculture industry.
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QUESTION 11
Which statement Best describes the relationship between pure and applied research?
Most applied research eventually converts to pure research.
Pure and applied research is used together to influence international policy.
Chance discoveries are common for both pure and applied researchers.
Pure research can provide valuable information that can be used in applied research.
QUESTION 12
Which statement describes an example of applied research?
Thomas Edison found that sound can be recorded to a medium. Using this information, he creates the first record player.
Seeing an apple fall from a tree, Isaac Newton conducts experiments to understand why this happens.
Marie Curie observes naturally occurring materials, which display specific
Understanding light to have verifiable behaviors, Ibn al Haytham uses this
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QUESTION 13
What is the main motivator for scientists who conduct pure research?
their own curiosity
the scientific method
the desire to help the world
their interest in solving problems
QUESTION 14
Which statements are true about both pure and applied research?
It is designed to solve specific practical problems.
It uses both qualitative and quantitative data.
It is concerned with scientific knowledge and predictions.
Its overall usefulness in science is very limited.
Its goal is to add to what is already known about something.
It can potentially lead to an important discovery.
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QUESTION 15
Which of these are examples of applied research?
Ibn al Haytham discovered light behavior and how we see.
Marie Curie researched radioactivity and helped increase our knowledge of it.
Isaac Newton investigated the effects of gravity after an apple fell on his head.
Thomas Edison invented the light bulb and the telegraph.
Albert Einstein developed the Theory of Relativity in physics.
Fritz Haber and Carl Bosch created ammonia, which is used in fertilizer.
QUESTION 16
Drag and drop the correct answers into the spaces provided to complete the sentence.
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Albert Einstein developed the Theory of Relativity in physics.
Fritz Haber and Carl Bosch created ammonia, which is used in fertilizer.
QUESTION 16
Drag and drop the correct answers into the spaces provided to complete the sentence.
In scientific research:
applied
research tries to solve a particular problem
pure
research tries to increase our knowledge of the world around us
hazardous
accidental
chance
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