
Name

Date

| Project Checklist and Rubric

Project Checklist

Your Germology Game Show question set should include the following:

_____ Two to three Trivia questions for the Germology Game Show to educate people about why germs make us sick more often in the winter, focused on the connections between: Germs, People, Environment, or Something Else

_____ Answer choices for the trivia questions

_____ Brief scientific explanation of each answer, correct and incorrect, based on evidence from activities and your learning in the unit

_____ Understanding of questions, answers, and explanations by the game show audience of community members

Rubric

Criteria	Expert Germologist	Assistant Germologist	Beginner Germologist	Feedback
<p>Students: Your questions, answers, and explanations describe cause-and-effect relationships and data-supported patterns about why germs make us sick more during the winter, and connect factors related to Germs, People, Environment, or Something Else.</p> <p>NGSS Cross-Cutting Concept: Cause & Effect</p> <ul style="list-style-type: none"> • Cause and effect relationships are routinely identified, tested, and used to explain change. <p>NGSS Cross-Cutting Concept: Patterns</p> <p>Patterns can be used as evidence to support an explanation.</p>	<p>Your questions, answers, and explanations correctly describe how different factors related to Germs, People, and the Environment interact to cause people to be sick more often during the winter.</p>	<p>Your questions, answers, and explanations are missing some key ideas about how different factors related to Germs, People, and the Environment interact to cause people to be sick more often during the winter.</p>	<p>Your questions, answers, and explanations do not describe how different factors related to Germs, People, and the Environment interact to cause people to be sick more often during the winter.</p>	

<p>Students: Each of your trivia answers includes an evidence-based explanation of why the answer is correct or incorrect.</p> <p>NGSS Science & Engineering Practice: <u>Constructing Explanations and Designing Solutions</u></p> <ul style="list-style-type: none"> • Construct an explanation of observed relationships. • Use evidence (e.g., measurements, observations, patterns) to construct or support an explanation or design a solution to a problem. <p>Common Core ELA: Writing <u>CCSS.ELA-LITERACY.W.3.2</u>, <u>CCSS.ELA-LITERACY.W.4.2</u></p> <p>Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p>	<p>All of your trivia answers include explanations that are supported by one or two pieces of evidence.</p>	<p>Only some of your trivia answers include explanations, OR only some of your explanations include supporting evidence.</p>	<p>None of your trivia answers include explanations, OR explanations do not have any supporting evidence.</p>	
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<p>Students: Your trivia questions, answers, and explanations clearly communicate scientific information to the audience of community members.</p> <p>NGSS Science & Engineering Practice: <u>Obtaining, Evaluating, and Communicating Information</u></p> <ul style="list-style-type: none"> Communicate scientific and/or technical information orally and/or in written formats, including various forms of media as well as tables, diagrams, and charts. 	<p>Your questions, answers, and explanations are always clear and can be understood by the audience.</p> <p>The organization and style of your questions fit with the purpose and audience for the Germology Game Show.</p>	<p>Your questions, answers, and explanations are mostly clear and understandable for the audience, with a few exceptions.</p> <p>The organization and style of your questions sometimes fit with the purpose and audience for the Germology Game Show.</p>	<p>Your questions, answers, and explanations are not yet clear and understandable for the audience.</p> <p>The organization and style of your questions are not yet appropriate to the purpose and audience for the Germology Game Show.</p>	
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