

Curricular Competencies	Extending	Proficient	Developing	Emerging	Insufficient Evidence
Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest	I can demonstrate independence and critical thinking in selecting a topic of interest that demonstrates a sophisticated understanding of the course content.	I can demonstrate independence and critical thinking in selecting a topic of interest. I can narrow down my topic for a specific focus that is relevant.	I can select a topic that is of interest to me and that we have explored in class. I can begin to narrow my topic to a specific question or focus that is somewhat relevant to the content I may need some support in selecting and focusing my topic.	I can select a topic that is of interest to me. I need significant support in selecting a topic.	
Transfer and apply learning to new situations	I can evaluate and give a detailed explanation, with scientific reasoning and connections, of how the Earth’s are connected to a specific issue or problem I can make accurate and sophisticated connections between the course content and my topic	I can explain in detail how the Earth’s Spheres are connected to a specific issue or problem I can make accurate connections between the course content and my topic	I can state how the Earth’s Spheres are applied to a specific issue or problem I can make some connections between the course content and my topic, with support and prompting	I can share some information about how the Earth’s Spheres are connected to a specific issue or problem I need significant support and prompting to make connections.	
Consider social, ethical, and environmental implications of the findings from others’ investigations	I can apply my understanding to consider multiple perspectives and societal, ethical, and environmental implications of a topic.	I can reflect on the potential ethical impacts of a topic, and use this to support my opinion and viewpoints.	I can form an opinion about a scientific topic, and think about how it might affect others.	I can decide if something is right or wrong and summarize my reasoning.	
Communicate scientific ideas and information, for a specific purpose and audience	I can communicate scientific ideas and information creatively, confidently, and using evidence to back up claims and scientifically sound language; which demonstrates a sophisticated understanding of my topic	I can clearly and accurately communicate ideas and findings using scientific language, which demonstrates a complete understanding of my topic	I can communicate my ideas and findings using some scientific language, which demonstrates a partial to near-complete understanding of my topic	I can present some information with minimal relevant scientific ideas and/or language. I need significant support and prompting to share my findings	

Science 9 – Earth's Spheres Assignment

Name: _____