CER Absorption WS

Name _____

Period _____

Directions: Use the data below to write a complete scientific explanation that answers the question.

Q: Which object absorbed the most light?

Object	Light Reflected (lux)	Light Transmitted (lux)
Tee Shirt	131	14
Cardboard	180	2
Ice Cube	450	100
Brick	157	0

Claim:

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	Not Proficient (0 pts)	Developing Proficiency (1-2 pts)	Nearly Proficient (3 pts)	Proficient (4 pts)	Highly Proficient (5pts)
Claim	Does not make a claim.	Claim is unrelated to the question or is unclear.	Claim answers the question, but includes a " because" in it.	Claim answers the question.	Claim answers the questions clearly. Uses full sentence.

Evidence: What tells you this? *I know this because... (use the data!)*

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	Not Proficient (0 pts)	Developing Proficiency (1-2 pts)	Nearly Proficient (3 pts)	Proficient (4 pts)	Highly Proficient (5pts)
Evidence	Does not provide evidence.	Provides inappropriate evidence (evidence that does not support claim).	Provides mostly appropriate evidence, but does not use units and/or uses science terms incorrectly.	Provides appropriate and sufficient evidence to support claim, but is missing minor details.	Provides appropriate and sufficient evidence and details to support claim. Uses full sentence with units.

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Reasoning: Use scientific principles to support and link your claim and evidence. *This means...*

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	Not Proficient (0 pts)	Developing Proficiency (1-2 pts)	Nearly Proficient (3 pts)	Proficient (4 pts)	Highly Proficient (5pts)
Reasoning	Does not provide reasoning.	Provides incorrect reasoning. No scientific principles used.	Provides reasoning, but does not link evidence to claim. May not include scientific principles.	Provides reasoning that links claim and evidence. May repeat the evidence and might include some scientific principles, but not in sufficient detail.	Reasoning clearly links evidence to claim. Includes appropriate and sufficient scientific principles. Uses full sentence.