

MCAS Grade 5 Science and Technology/Engineering

Sample Blank Reference Sheet for Students with Accommodation A9

INSTRUCTIONS:

The following sample reference sheet is ONLY for students who have accommodation A9 listed in their IEP or 504 plan.

Before testing:

Schools should print out the following pages (or a reference sheet that has been submitted to and approved by the Department) and distribute to students who have accommodation A9 so that students can practice using the reference sheet. Schools should also remind students that during testing they may only use a reference sheet that has not yet been filled in.

During testing:

At the start of each test session, test administrators should check that that they are only providing reference sheets that have not already been filled in, and that they are providing them only to students who have accommodation A9 in their IEP or 504 plan.

Test administrators should remind students that they may not use any sheets that were filled in previously, nor any other reference materials or notes. Results **may be invalidated** for students who use a reference sheet that has already been filled in.



MCAS Grade 5

Science and Technology/Engineering

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Note: Students may ONLY be provided with a blank reference sheet to use during testing.

Earth and Space Science Water cycle: E, C, P, A, R The _____ and ____ of a shadow help to How does temperature affect the water cycle? predict where the _____ is located in the sky. Climates tell us what about different regions? Changes the land by... Is caused by... Weathering Erosion Deposition Patterns of volcanoes and earthquakes show _____ Renewable energy sources: Nonrenewable energy sources: _____ What is the difference? _____

Life Sc	cience
What does each part of a plant do? • Bark • Seeds • Flowers • Stems • Fruit • Roots • Leaves Plants make using,, and	Matter Moving:
Life Cycle Stages: B , G , R , D Organisms need energy to: Reproduction is important because	A composter and needs to work. Fossils are used by scientists to



Physical Science	
What causes a phase change?	Types of energy: S, L, H, and E
States Of Matter	What happens to an object with balanced forces?
	The direction of gravity is toward Direction of friction on an object:
Freezing makes a	Kinetic energy as speed
Melting makes a Evaporation makes a	When objects collide, is changed to and
N or S? ?	The masses of substances before a chemical reaction is to the masses of the substances after the reaction.
? ▷ ♀ ? Waves carry	What is a mixture?

Technology/Engineering

Information can be shown in charts, diagrams, graphic organizers, lists, and sketches.

Information can be encoded, decoded, sent, or received.

- Criteria for Success/Constraints
- Design features
- Prototype
- Failure points
- Variables

Science Practices

What is the Claim?

What is the Evidence?

What is the Reasoning?

Was data asked for in the question? Did you include it in your answer?

If asked to provide a question, is it a testable question?