

# Inq. 3.1 Review WS

Name \_\_\_\_\_  
Date \_\_\_\_\_

Period \_\_\_\_\_

## Concept Review:

(2) 1. In the real world, how do the heating and cooling rates of soil and water compare?

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## Skill Review:

Use the table below to answer the following questions.

Temperature Change of Two Substances When Heated and Cooled for 15 Minutes Each.					
HEATING (15 min)			COOLING (15 min)		
	Substance A	Substance B		Substance A	Substance B
Total Temp. Change (°C)	+3.7	+5.4	Total Temp. Change (°C)	+0.4	-2.1

(2) 2. Which substance is most likely a solid? How do you know?

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Using the table above, write an **evidence-based conclusion** to answer each question:

3. Which substance heats faster, A or B? (1 2 2.5 3 3.5 4)

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4. Which substance cools faster, A or B? (1 2 2.5 3 3.5 4)

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## Scoring Guide for Evidence-Based Conclusions:

**4** — Accurate spelling and sentence structure, answered question correctly, used data correctly, all units labeled.

**3.5** — All of “4”, but with one minor spelling/sentence error and/or units missing once.

**3** — All of “4”, but with 2-3 spelling/sentence errors and/or units missing multiple times.

**2.5** — Several errors in sentence structure and/or spelling, used data incorrectly or unclearly.

**2** — Did not answer question correctly and/or missing data altogether.

**1** — Did not attempt an answer.