

(Earth Science Indicator #13 – Describe how landforms are created through a combination of destructive [e.g., weathering and erosion] and constructive [e.g., crustal deformation, volcanic eruptions and deposition of sediment] processes)

Name: _____ Date: _____ Block: _____



Candy Bar Weathering



Please follow the directions carefully. Once you have completed the activity answer the questions in **complete sentences**.

1. What is the difference between a physical and chemical change?
2. What kind of weathering undergoes a physical change? Explain your answer.
3. Unwrap the candy and place it into your mouth, but **do not** chew. Keep the candy in your mouth for at least 30 seconds.
4. What is happening?
5. What kind of weathering is occurring? How do you know?
6. After the candy has been in your mouth for 30 seconds chew the candy.
7. What happens?
8. What kind of weathering is occurring? How do you know?
9. What is it called when rocks weather at different rates?
10. What does this activity say about how materials weather? Are certain materials affected more by mechanical rather than chemical weathering?
11. From what you have discovered in this activity, explain how a large conglomerate rock such as one that is found at Whipp's Ledges in Hinckley, OH would weather.

