Code Fred: Survival Mode & Guts and Bolts Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Essential Questions (think about and answer after playing the games)

* How are cells **specialized** and **organized** in multicellular organisms? Give an example from the human body to explain.
* How are the internal systems of organisms connected to help an organism survive? Explain 5 connections between systems in the human body.
* What happens to the human body when it is stressed?

Create and complete a **cause and effect flowchart** to explain 3 different reactions of the body to stress. (attach a separate sheet of paper)

* If you could choose one system to be the most important system in sustaining human life (the one most in need of protection), which would it be and why? Explain your answer with details and examples for support.

Analysis for

Code Fred: Survival Mode & Guts and Bolts

**Play Code Fred: Survival Mode.**

Choose one mini-game within Code Fred to analyze. **Compare** how the game represents what's happening in the body under stress with the actual body process we've learned about previously in our studies.

1. What is similar, and what is different or missing?
2. How could this mini-game be improved?

**Play Guts and Bolts.**

Choose one level of the game to analyze. **Compare** how the game represents what's happening in the body systems with the actual body process we've learned about previously in our studies.

1. What is similar, and what is different or missing?
2. How could this mini-game be improved?