

Particle Adventure
Internet Lab
Physics

Name _____
Date _____ Period _____

<http://www.particleadventure.org/>

1. Open the Particle Adventure web site as instructed in class.
2. Open the “Standard Model” box.
3. Follow the interactive pathway and in the spaces below on this page, place the answers to ALL questions, quizzes, activities you find.
4. When done or while you progress, answer the conclusion questions on the reverse side. (hint: There is a glossary link on the top right of each page. If you need more room, staple a piece of binder paper with this sheet on top. Good Luck.

CONCLUSION QUESTIONS

1. the word “atom” come from who and when?
2. Where does the name “Quark” come from?
3. Name the four fundamental forces.
4. What is the size of a quark in meters?
5. What is the best known lepton?
6. Describe a particle decay.
7. What does “annihilation” mean?
8. Describe briefly what a Grand Unifying Theory would be.
9. Describe briefly the String Theory.
10. What do Particle accelerators do?
11. What does “SLAC” stand for?
12. What is a “linac”?
13. Name another particle accelerator in the world.
14. Do not forget to answer all questions posed to you during your Particle Adventure.