

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Nuclear Reactions Skit

We have discussed several types of nuclear reactions and radioactive decay in class. In groups of 4 or 5, you will be assigned a particular nuclear reaction. Create a scenario with your group members to act out and explain how the nuclear reaction occurs. You will have some time in class the next few days to prepare your skit and will present it next week.

### THE RULES

1. All group members must actively participate in the reaction with a speaking role.
2. You must include the correct number of particles/atoms for the beginning and the end of the nuclear reaction.
3. You must accurately describe the motion of all the particles involved in the nuclear reaction.
4. Each group member must be clearly “labeled” in some way as what particle/atom they are.
5. Be creative – Make up a story, a commercial, a song, a poem etc. Use any props that you feel will help your explanation.
6. **DO NOT** just stand in front of the class and state how the decay process occurs.

### THE GRADE IS BASED ON:

1. **PARTICIPATION**– did you actively participate or just simply read a line?
2. **SCIENTIFIC ACCURACY** – did you use all of the appropriate particles/atoms and was the reaction correct?
3. **CLARITY OF THE EXPLANATION** – were the particles/atoms clearly labeled and the explanation of the nuclear reaction clear and easy to understand?
4. **CREATIVITY** – did your group do something unique or did you just talk about the decay process like a lecture?