

It Really is Rocket Science!

Assignment Rubric

Synonyms for exceptional:

Excellent, brilliant, special, extraordinary, incomparable, unique, outstanding, remarkable

CATEGORY	4	3	2	1
Materials	Exceptional detail	All materials and setup used in the experiment are clearly and accurately described.	Almost all materials and the setup used in the demonstration are clearly and accurately described.	Many materials are described inaccurately
Launch Procedure	Exceptional detail	Procedures are listed in clear steps. Each step is numbered and is a complete sentence.	Procedures are listed in a logical order, but steps are not numbered and/or are not in complete sentences.	Procedures do not accurately list the steps of the experiment or no procedure given
Results: Drawings/ Diagrams	Exceptional detail	Clear, accurate diagrams which describe actual flights of our rockets. Diagrams are labeled neatly and accurately. Color is used effectively.	Diagrams are included and are labeled.	Needed diagrams are missing or missing important labels.
Results: Observations	Exceptional detail	At least 4 additional observations are included which describe details of the lab which are not included in the data table.	2-3 additional observations are included which describe details of the event	0-1 additional observation is included which describe details of the event
New Point Value →	8	6	4	2
Summary Paragraph 1: Forms of Energy	All main topics in the example are covered and additional topics are discussed.	All topics discussed (see paragraph guide)	Most topics discussed	Some topic discussed
Summary Paragraph 2: Forces	All main topics in the example are covered and additional topics are discussed.	All items accurately discussed (see paragraph guide)	2 items accurately discussed	1 items accurately discussed
Summary Paragraph 3: Properties of Matter	All main topics in the example are covered and additional topics are discussed.	All items accurately discussed (see paragraph guide)	2 items accurately discussed	1 items accurately discussed

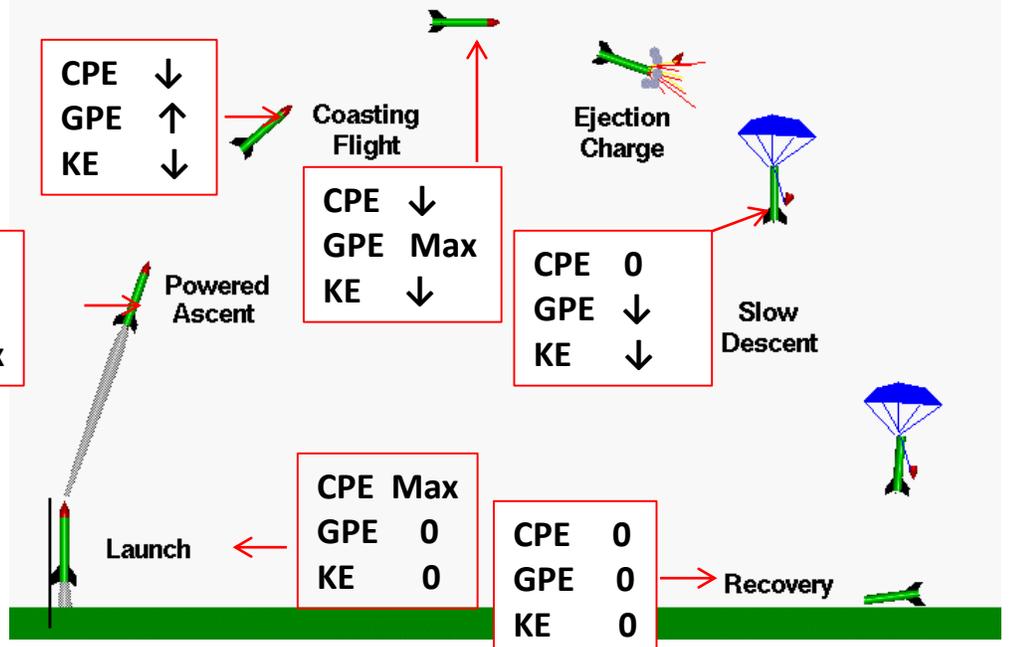


Flight of a Model Rocket



Paragraph 1: Forms of Energy

This paragraph explains the various forms of energy which affect the flight of your rocket. Were there any more forms besides these?



Key:

Chemical Potential Energy CPE
 Gravitational Potential Energy GPE
 Kinetic Energy KE

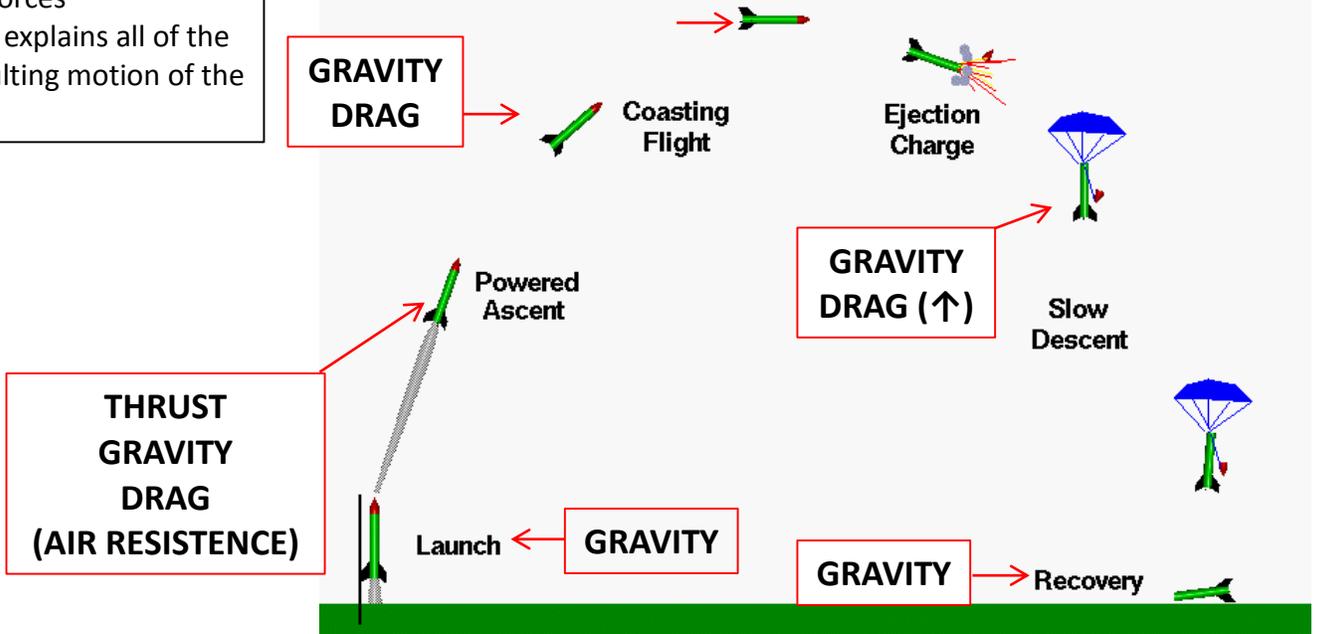


Flight of a Model Rocket



Paragraph 2: Forces

This paragraph explains all of the forces and resulting motion of the rocket.



Paragraph 3: Properties of Matter

This paragraph explains the specific properties of all of the materials used in the construction of your rockets.

