

INTRODUCTION TO IMPACT CRATERS



Handout - Geology

1. Crater size

- a. On the back of each crater, you will find the name of the crater and a number. Choose any crater between numbers 2 and 6, and calculate its real diameter. The scale of the 3D models is 1:2,000,000.

- b. How would you go about calculating the volume of material displaced from the crater?

2. Impactite observations

a. Have a look at each impactite and make observations using the table below.

Station number	Colour(s)	Does it contain grains, crystals, or clasts?	What size are the grains, crystals or clasts?	What does the outside look and feel like? (smooth, rough, shiny, glassy, pitted?)	Do you notice anything else?
1					
2					
3					
4					

- b. These rocks were modified by the high pressure and temperature of an impact with a meteorite. Thinking about the rock cycle, what type of rock do you think they are? (Circle the correct answer)
- A. Sedimentary
 - B. Igneous
 - C. Metamorphic