Principles of Relative Dating
(use pages 338-343 in the FUSION text)

FOCUS QUESTION:

<mark>How do scientists measure the age of rocks?</mark>

- ✓ **ANSWER**: One way scientists measure the age of rocks is through relative dating.

Describe RELATIVE DATING:

CONCEPT	DESCRIPTION/DETAILS	DRAWING OR IMAGE
superposition		

How are sedimentary rock layers disturbed?

1. Forces within Earth such as _____, _____, _____ and _____ can disturb rock layers so much that they place _____ layers on top of _____ layers.

2. _____ can cause rock layers to _____ altogether. This leaves _____ in the _____ _____.

Disturbed by Forces Within Earth:		
CONCEPT	DESCRIPTION/DETAILS	DRAWING OR IMAGE
tilting		
folding		
fault		
intrusion		

Disturbed by Unconformities

✓ An unconformity is:

CONCEPT	DESCRIPTION/DETAILS	DRAWING OR IMAGE
nonconformity		
disconformity		
angular unconformity		

How are rock layers ordered?

1. Often, rock-layer sequences are affected by _____ than

    _____ _____. Determining the order of _____ the led

    to the _____ _____ of layers is like piecing together a

    _____ _____.

cross-cutting relationships		

☆ **Other ideas (not found in this text):**

original horizontality		
lateral continuity		

inclusion		
faunal succession		
contact metamorphism		