

CLIMATE CHANGE COLLECTION SCORECARD

Date: 1/27/05

Reviewer: Kirsten Butcher

Name of resource: What is the Carbon Cycle

Sponsoring Organization: UCAR

URL: http://www.ucar.edu/learn/1_4_2_15t.htm

Site Homepage: <http://www.ucar.edu/learn/index.htm>

RESOURCE WITHIN A SITE? Y / N

FOUND THROUGH DLESE? Y / N

IF SO, WHICH COLLECTIONS?

RECOMMENDATION YES **YES WITH RESERVATIONS** NO

STARS 1 2 **3** 4 5 (LAME TO STELLAR)

NARRATIVE (USE OTHER SIDE IF NEEDED)

- Background information is relatively brief. Educators without prior knowledge/experience on the topic may find that they need more preparation before leading the activity. The success of the activity appears to draw heavily upon educator ability to effectively guide student thinking and discussion.
- Diagram of carbon cycle is difficult to understand and to integrate with background information without better textual support/explanation.

INTENDED USE

☒ REFERENCE

☐ COMPUTER ACTIVITY

☒ NON-COMPUTER ACTIVITY

EDUCATOR, LEARNER OR BOTH (CIRCLE) IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / N
BEGINNER OR ADVANCED (CIRCLE)

Easily Printed? Y / N **??**

BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 **4**

COMMENTS: It's a single website with mostly text so not much can go wrong if the link works.

SCIENTIFIC ACCURACY- FACTUAL ERRORS/OMISSIONS (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 4 **??**

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / **N** But it comes from a reputable source

COMMENTS: I don't have the background to assess the accuracy of the science presented.

PEDAGOGICAL INFORMATION

☐ REFERENCE ONLY

☒ TEACHER GUIDE

☒ MATERIALS LIST

☒ ASSESSMENT STRATEGIES

☒ TIMEFRAME PROVIDED

☒ STANDARDS ALIGNMENT INDICATED

PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 **3** 4

COMMENTS:

- With effective teaching the exercise and discussion could be effective. But educators will need to be relatively knowledgeable about the carbon cycle to effectively guide students – the brief tutorial preceding the activity may not prepare beginning teachers adequately for leading the activity.
- Suggested assessment questions do address the application of knowledge and should target student understanding of the concept.

APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 4

COMMENTS: Graphics do not serve an explanatory purpose – appear mostly to be decoration. Carbon cycle diagram is difficult to understand without more integrated text discussion/support.

VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

COMMENTS: Block text is presented in relatively short paragraphs broken up with visual images – but the images aren't well utilized for a learning purpose. The web page is mostly text, but is relatively appealing for a simple page with very few visual images.

TEACHING TIPS: ANNOTATION DESCRIBING HOW SITE COULD BE USED OR ADAPTED FOR CLASSROOM

RECOMMENDATION: ANNOTATION DESCRIBING HOW THE DEVELOPER COULD IMPROVE THE SITE.

- Better carbon cycle diagram that is well explained/supported by the text. Provide optional links to more detailed information for advanced learners.

Revised 12/3/04