

# CLIMATE CHANGE COLLECTION SCORECARD

Date: 2/20/05

Reviewer: Carrie Morrill

Name of resource: Carbon cycle in the lab: carbon products and the processes that link them

Sponsoring Organization: The Royal Society of Chemistry

URL: <http://www.chemsoc.org/networks/learnnet/jesei/lab/index.htm>

Site Homepage: <http://www.chemsoc.org/>

RESOURCE WITHIN A SITE? Y / N

FOUND THROUGH DLESE? Y / N

IF SO, WHICH COLLECTIONS? DLESE Community Collection, CRS Annotated Collection

RECOMMENDATION YES YES WITH RESERVATIONS NO

STARS 1 2 3 4 5 (LAME TO STELLAR)

NARRATIVE In this exercise, students map out the carbon cycle with the use of some props and identify reservoirs of carbon and the processes that move carbon between these reservoirs. They then answer a series of questions about sources of carbon.

## INTENDED USE

☐ REFERENCE

☐ COMPUTER ACTIVITY

☒ NON-COMPUTER ACTIVITY

EDUCATOR OR LEARNER OR BOTH IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / N

BEGINNER OR ADVANCED OR BOTH

Easily Printed? Y / N

## BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 4

COMMENTS: Simple file with no links to outside websites.

## SCIENTIFIC ACCURACY (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 4

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / N

COMMENTS: Looks good.

## PEDAGOGICAL INFORMATION

☐ REFERENCE ONLY

☒ TEACHER GUIDE

☒ MATERIALS LIST

☒ ASSESSMENT STRATEGIES

☐ TIMEFRAME PROVIDED

☒ STANDARDS ALIGNMENT (for Great Britain)

## PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 4

COMMENTS: Exercise is interesting and interactive. Using "specimens" of carbon-containing substances will enhance understanding by making some concepts more concrete.

## APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 4

COMMENTS: Unobtrusive and easy-to-use glossary. PDF and Word docs available for each worksheet. Teachers and students guides. Nice diagram of the carbon cycle.

## VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

TEACHING TIPS: Be sure to get to question #6 if you are studying the carbon cycle in the context of global warming.

RECOMMENDATIONS FOR DEVELOPER: None.