

Title: Putting the Pieces Back Together

Content Standard A (Grades 5-8): Current scientific knowledge and understanding guide scientific investigations.

Standard 1:

Indicator 8.1.1 Recognize that and describe how scientific knowledge is subject to modification as new information challenges prevailing theories and as a new theory leads to looking at old observations in a new way.

Background:

(same as "Putting the Pieces Back Together" elementary level)

Purpose: To reconstruct an elephant skeleton and to compare the elephant skeleton with a mystery fossil find.

Materials:

- Paper on "Putting the Pieces Back Together- [The Elephant Fossil Find](#)"
- Skeletal resource manual
- 2 copies each of individual elephant bones and frog bones
Cut out individual bones from one elephant (Appendix A) and one frog sheet, (Appendix C) mix together and put in an envelope marked set #1; then do the same with the second set and put in an envelope marked set #2.
- Elephant skeleton
- Frog skeleton
- Glue
- Construction paper

Activity:

1. Refer to paper on "[The Elephant Fossil Find](#)".

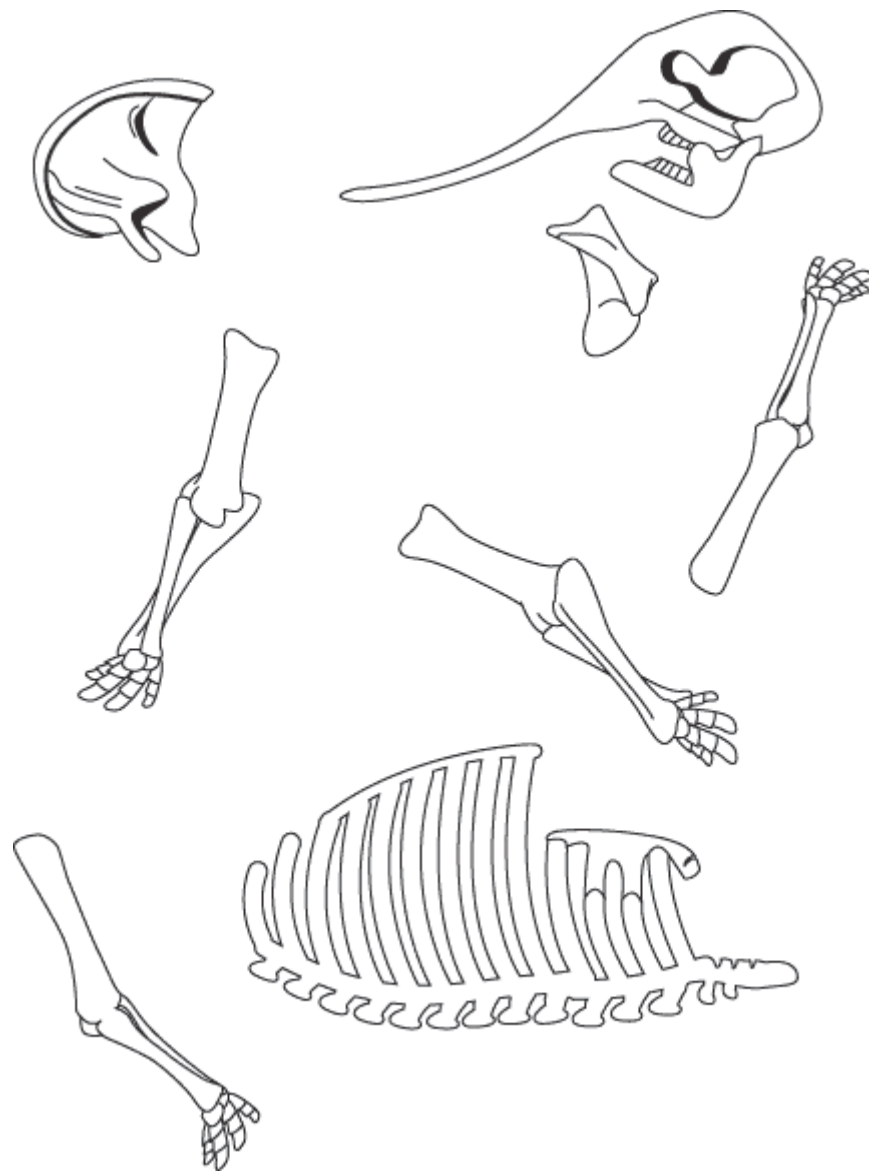
Extensions:

2. Have students perform an "owl pellet" activity and have students try to reconstruct the bones into a skeleton found in the owl pellet.

Assessment:

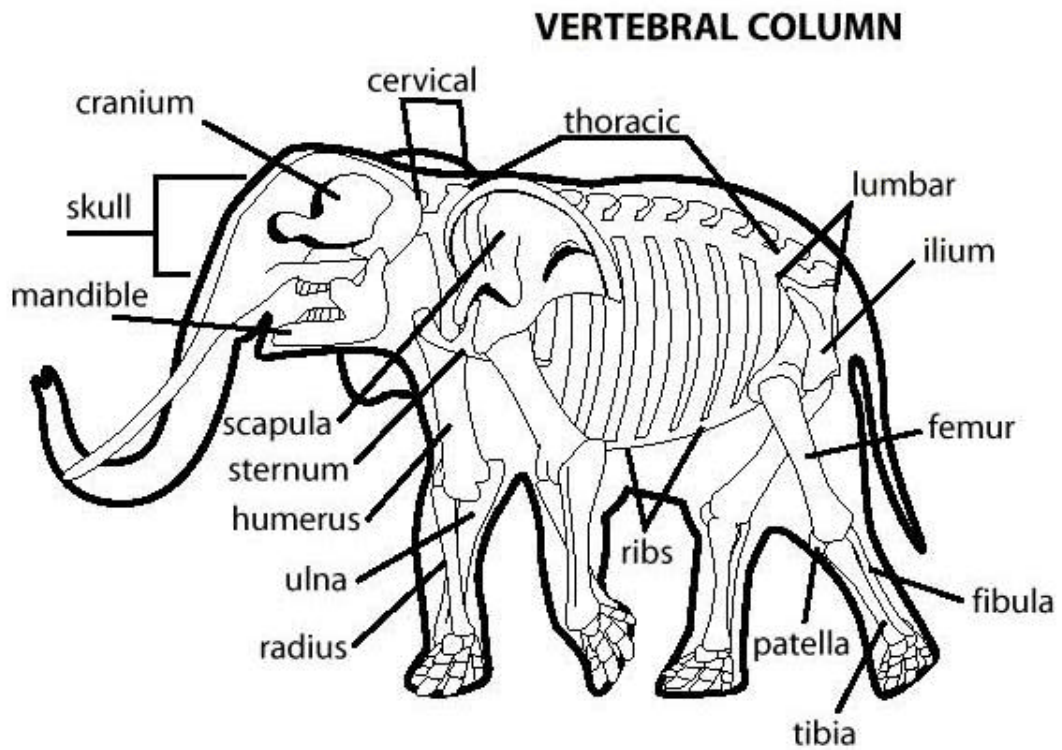
3. Reconstructed skeletons.

Appendix A

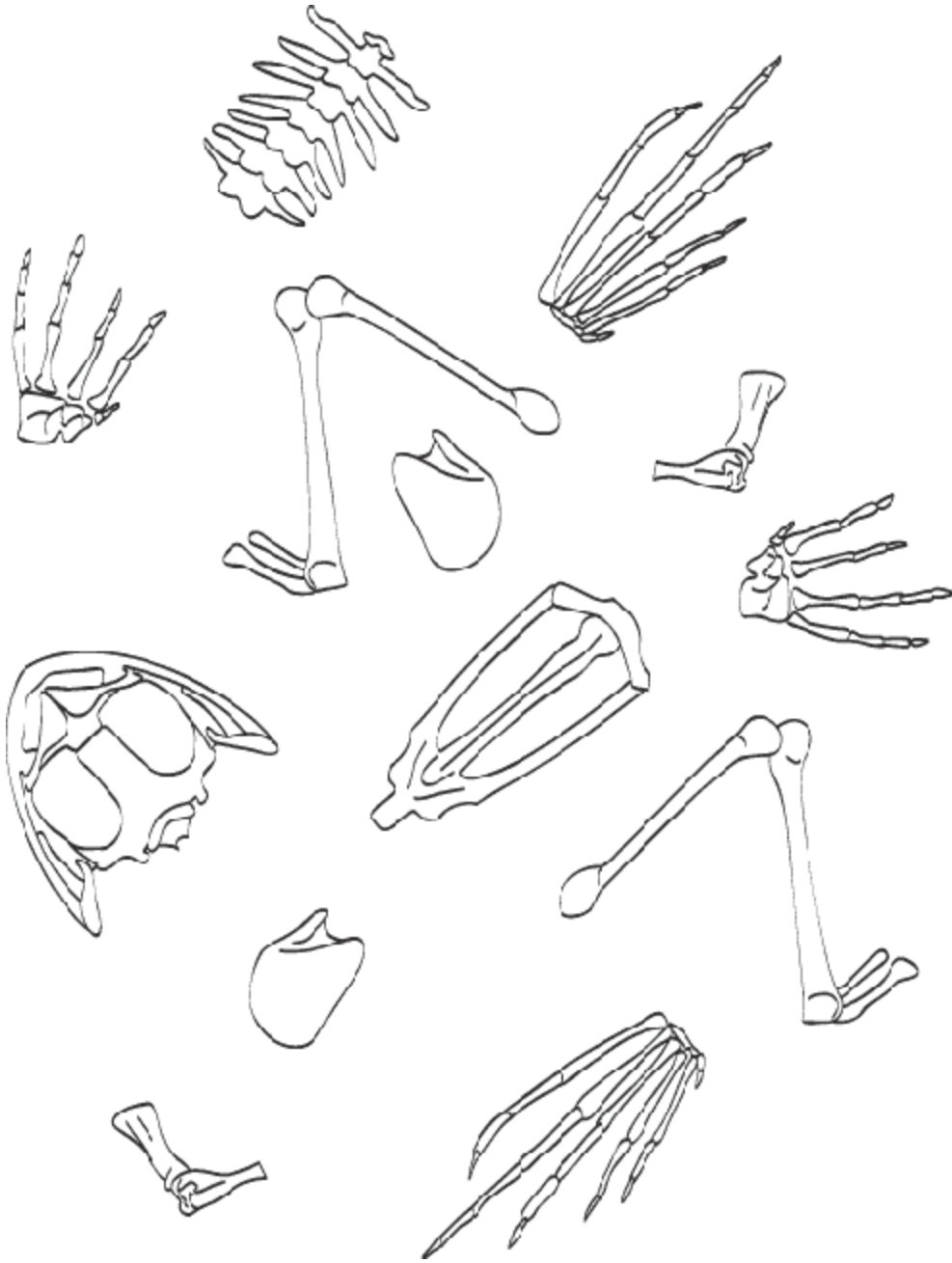


Appendix B

SKELETON OF AN ELEPHANT



Appendix C



Appendix D

