

Why is Labor a Pain?

Student Worksheet

Name _____ Date _____

General instructions: Open your browser. Type <http://trackstar.4teachers.org> in the address bar. In the box that says view track # type 292491. Press go. Choose view in text.

Site 1-Building Bodies

According to DNA evidence the chimpanzee is our closest evolutionary relative.

Click on LEARNING CENTER

Click on BUILDING BODIES

Assemble the skeletons

Name 3 similarities between the two skeletons.

Name 3 differences between the 2 skeletons.

Which bones were hardest to place? Why?

Site 2

A major trait that sets humans apart from other primates is that they are bipedal.

What does Bipedal mean?

Name two Bipedal mammals.

Write a one-sentence summary of each of the hypotheses that explains why people might have become bipedal.

Postural Feeding Hypothesis-

Behavioral Model-

Thermoregulatory Model-

Wading Hypothesis-

Turn-Over Pulse Hypothesis-

Which model makes the most sense to you? Why?

Site 3

Watch the video.

Site 4

Click on COMPARATIVE ANATOMY

Under TAXON choose HUMAN and CHIMPANZEE

Under BONE choose OS COXAE (hip bone)

Under VIEW choose VENTRAL

As humans became bipedal, evolutionary pressures changed and thus the pelvis of the human became quite different compared to that of the chimpanzee. Examine these differences. Describe in several sentences how the two bones differ.

Click LATERAL view

How are these bones different? State some possible reasons why these two bones are so different, despite serving similar functions.

Site 5

Read the article.

Write a paragraph describing how bipedalism has affected human childbirth.

Site 6

Compare the sizes of the pelvic outlets.

The pelvic outlet is the opening in the pelvic bone through which the emerging infant must pass.

Which organisms have the smallest outlets?

Which organisms have the largest?

Which organisms have the "tightest fit"?

How might this affect the delivery of an infant?

Site 7

Watch the video depicting human birth.

Site 8

Read the article. What is the big compromise? Predict how humans will evolve in these areas (birth, development, bipedalism, etc.) in the next 100,000 years. Be sure to explain your reasoning.