Assessment Teacher Edition - Item Analysis

IA Item Analysis **5th Science Benchmark**

Form B

TEKS 5.10B Readiness Standard
differentiate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as an animal learning tricks or a child riding a bicycle

13 Look at the picture below. It shows honey bees on a honey comb.

Honey bees are black and yellow in color.

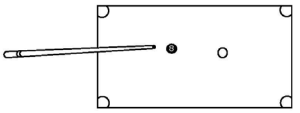
Which conclusion can be drawn based on the information above? *(5.10B, 5.2D) A RC4*

A Color is an inherited trait because the bees are born black and yellow.
B Color is an inherited trait because the bees are taught to be black and yellow.
C Color is learned behavior because the bees are born black and yellow.
D Color is a learned behavior because the bees are taught to be black and yellow.

Answer Analysis	
A	
B	
D	
How does a human inherit a trait?	

TEKS 3.6B Supporting Standard
demonstrate and observe how position and motion can be changed by pushing and pulling objects to show work being done such as swings, balls, pulleys, and wagons

14 While attending a birthday party, a group of students decided to play pool. One of the students gently tapped the black ball with the cue stick.



Which of the following best explains why the cue stick caused work to be done on the black ball? *(3.6B, 5.2D) PS RC2*

F The moving ball was the force that did the work.
G The cue stick and ball both created a force.
H The cue stick created a force that moved the ball.
J No work was done by the ball or the cue stick.

Answer Analysis	
F	
G	
H	
J	
Describe other ways force can be applied to the pool balls.	

TEKS are provided to make the connection between the standard and each assessment item.

Item Analysis is a black line master that can be copied and handed out to each student based on assessment results.

Answer Analysis lets students explain the reasoning behind each correct and incorrect answer.

Open-ended extension questions provide opportunities to demonstrate in-depth understanding of the concept.