Rating Guide ILS-Fossil Park Cluster

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- 2 [1] Allow 1 credit. Acceptable responses include, but are not limited to:
 - Many locations contain tropical marine fossils that could only live in warmer water found near the equator.
 - Tectonic processes generated new sea floor because now an ocean is located between the continents of North America and Africa.
- 3 [1] Allow 1 credit for A.

[1] Allow 1 credit for *C*.

- 4 [1] Allow 1 credit if *both* responses are correct. Acceptable responses include, but are not limited to:
 - The rocks at Penn Dixie Park show tilting./Rocks at Penn Dixie Park are not horizontal.
 - Sedimentary rock layers at both locations are evidence for deposition of sediments in water.
 - The rocks containing marine fossils at Thacher Park show a high elevation./Thacher Park has marine fossils at an elevation of 1657 feet.
 - Weathering and erosion have altered the shape of the surface bedrock at Penn Dixie Park.
- 5 [1] Allow 1 credit. Acceptable responses include, but are not limited to:
 - The surface bedrock of both locations are made of Hamilton shale.
 - Both locations have the Onondaga limestone underneath Hamilton shale at the surface.
 - Both locations show a similar sequence of rock layers.

Rating Guide ILS-Globe Cluster

1 [1] Allow 1 credit for D.

2	[1]	Allow 1 credit. Acceptable responses include, but are not limited to:
		— because force <i>X</i> and force <i>Y</i> are equal
		— Forces <i>X</i> and <i>Y</i> are equal and opposite to keep the globe in a fixed position.
		— When forces X and Y are balanced, the object will not change its motion.
3	[1]	Allow 1 credit for A.
4	[1]	Allow 1 credit for <i>B</i> .
5	[1]	Allow 1 credit. Acceptable responses include, but are not limited to:

— Since the globe is at a lower position, the potential energy is less.

— the potential energy decreases

— The potential energy decreases as the globe moves from position 1 to position 2.

Rating Guide ILS-Organisms Cluster

[1]	Allow 1 credit for <i>D</i> .	

- 2 [1] Allow 1 credit for *two* correct reponses. Acceptable responses include, but are not limited to:
 - There are 4 limbs in both the chicken and the rabbit, and the fish has no legs.
 - The chicken and rabbit breathe air through lungs on land, while the fish breathes through gills in water.
 - The mid- and late-stage chicken embryo looks similar to the mid- and late-stage rabbit embryo. Neither look like the fish embryo.
- 3 [1] Allow 1 credit for bird as the organism and correct evidence. Acceptable responses include, but are not limited to:
 - The way that the bones attach to each other in the bird wing is most similar to the *Velociraptor*.
 - The "finger bones" of the *Velociraptor* are less in number and closer together like the bones in the bird wing.
 - The bone structure in the *Velociraptor* is most similar to the bone structure in the bird wing.
- 4 [1] Allow 1 credit for A.
- 5 [1] Allow 1 credit for B.