Moth Challenge Test:

Is it a moth? Or is it a butterfly?

Read the following characteristics below, and identify if it refers to only moths, only butterflies, or if both moths and butterflies share that characteristic. Circle your answers.

1. Spins a cocoon: Moth  Butterfly  Both
2. Has knobs on the ends of its antenna: Moth  Butterfly  Both
3. Has scales on its wings: Moth  Butterfly  Both
4. Flies at night: Moth  Butterfly  Both
5. Has mouthparts called a proboscis: Moth  Butterfly  Both
6. Rests with its wings spread flat: Moth  Butterfly  Both

Answers are on the back.
Answers:

1. **Spins a cocoon:**    Moth    Butterfly    Both
   Only the moth spins a cocoon. Butterflies form a chrysalis.

2. **Has knobs on the ends of its antenna:**  Moth  Butterfly  Both
   Antennae are a key feature separating moths from butterflies. Only the butterfly has knobs or a knobby hook on the end of its antenna. Moth antennae are plumose (feathery) or simply straight.

3. **Has scales on its wings:**    Moth    Butterfly    Both
   Both moths and butterflies have scales on their wings. Scales cover the wings of moths and hairs and scales cover other body parts. Scales are made of chitin, the same material as an insect’s exoskeleton.

4. **Flies at night:**    Moth    Butterfly    Both
   The majority of moths fly at night. The majority of butterflies fly in daylight.

5. **Has mouthparts called a proboscis:**  Moth  Butterfly  Both
   The mouths of both moths and butterflies are in the shape of a sucking tube called a proboscis.

6. **Rests with its wing spread flat:**    Moth    Butterfly    Both
   Moths sit in a resting position with their wings open flat or to their sides while butterflies sit with their wings raised over their backs.

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