Caterpillar to Butterfly — One Question Per Page

每页一问（含 1 道结构题）· 没有送分题：每题要么要推理、要么没有唯一答案、要么锚定他自己 · 最后一列 = 书里的答案 / 提示

Page	Question（用英文问他）	考什么	书里的答案 / 提示
1. Cover	**Look at the cover. What do you think will happen in this book?**	预测	一条毛毛虫变成蝴蝶
2. Riddle	**The riddle gives three clues. Which clue gives it away?**	推理	"uses wings to fly"（前两条是毛毛虫，只有这条是蝴蝶）
3. Beautiful Butterflies	**Why do you think butterflies have bright colors and bold patterns?**	推理	书里只描述； 后面第12页才给答案（伪装/吓退敌人）
4. Four Stages	**Why does the book put the stages in THIS order? Could they happen in a different order?**	结构	不能换：蛋 → 毛毛虫 → 蛹 → 蝴蝶（顺序固定，所以书按这个顺序讲）
5. Stage 1: Egg	**Why does the mother butterfly lay her eggs near food?**	推理	因为孵出来马上就要吃（"close to food"）
6. Stage 2: Caterpillar	**The caterpillar eats its own shell. Why would it do that?**	推理	它非常饿（"very hungry"）也可能只是本能—— 没有唯一答案
7. Growing	**Why does a caterpillar have to shed its skin?**	推理	长大了，旧皮太小了（要换 4–5 次）
8. Stage 3: Chrysalis	**What do you think is happening INSIDE the chrysalis?**	推断	身体在变化（"Inside the caterpillar is changing"），要待 10–14 天
9. Stage 4: Butterfly	**Why are its wings wet and crumpled at first?**	推理	刚出来；要等血泵进翅膀→变大→变硬→变干，才能飞
10. Time for Lunch!	**A caterpillar eats leaves, but a butterfly drinks. Why the difference?**	推理	蝴蝶没有嘴，只有一根像吸管的管子（吸花蜜/果汁）
11. Old Butterfly Facts	**Butterflies taste with their FEET. Why do you think that helps them?**	推理	书里说脚上有味觉感应器；"落在叶子上就知道能不能吃"是我的推断—— 开放
12. Back off!	**If YOU were a caterpillar, which trick would you use? Why?**	锚具体人	三种：有毒/长得像别的东西/伪装（camouflage）
13. Moths vs Butterflies	**How could you tell a moth from a butterfly at night?**	推理	蛾：晚上飞·身体胖毛茸茸·触角像羽毛；蝶：白天飞·身体细·触角带小圆球
14. Bring Butterflies to You	**If you made a butterfly garden at YOUR home, what would you put in it?**	锚具体人	书上清单：本地植物·成簇的花·平顶花·橙紫黄粉红·一小片水·晒得到的石头·不同时间开花的植物·不用农药
15. What in the World?	这页要你做什么？你怎么知道？	文本特征	看图猜词：有 6 张特写图 + HINT + WORD BANK（egg/caterpillar/chrysalis/butterfly wing/camouflage/antennae）

用法 先读一遍这页，再提问（读通才有余量理解）· 一次挑 **2–3** 页（= 2–3 题）· 题面可以难（**chrysalis / camouflage / antennae / nectar** 是要学的词，不用简化）· 他就答"不知道"也可以——那就一起回去看那页，一起找 ✓

三条纪律 ① 不判对错（尤其"锚具体人/开放"那几题，他没答错这回事）· ② 不在 **THINK** 题上给"标准答案"——先接住（"所以你意思是…？"）再扩展 · ③ 他一碰橡皮/铅笔 = 超载信号 → 收工

AFTER he answers — always expand（这步才教东西）

- "So you mean…?" → 再让他说一遍
- 进阶追问："What would happen if the egg was laid somewhere with no food?" · "Which stage do you think is the hardest? Why?" · "Can you ask ME a question about this page?"

页面顺序 = 书中实际顺序（Cover → Riddle → Beautiful Butterflies → **Four Stages** → Egg → Caterpillar → Growing → Chrysalis → Butterfly → Time for Lunch → Old Butterfly Facts → Back off → Moths vs Butterflies → Bring Butterflies to You → What in the World）。 第 **4** 页是全书结构页（四阶段），所以结构题放这里。题目全部基于 15 页逐页 OCR 原文（data/ctp_pages.json）。设计纪律： 不出"答案可直接抄"的送分题（恐龙提问卡 v1 的教训）。依据：CCSS RI.1 · NRP 2000（4,324 引）· 对话式阅读 Whitehurst & Lonigan 1998（2,523 引）· 提问生成可教 Rosenshine 1996（888 引）