

Science Detective Questions

Students practice asking for evidence, then match ways to check an idea.

SC.1.N.1.4 "Ask "how do you know?" in appropriate situations."

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 ASK IT _____

a	HOW?	WHAT?	WHEN?
b	WHAT?	WHEN?	HOW?
c	WHEN?	HOW?	WHAT?

2 CHECK IT _____

LONG	•	•	LIFT
HEAVY	•	•	BEND
BENDY	•	•	LINE

HOW TO RUN THIS PAGE

Read each science idea aloud and listen for students who can use the question, "How do you know?" Explain that scientists ask for evidence when they hear an idea. In the second part, students connect a kind of evidence to a way to check it with familiar classroom items.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • ASK IT

SAY "Listen to each science idea. If someone gives an idea but does not tell their evidence, which question word can begin the question you ask? I will read the words in each row. Circle the question word that begins your question."

ROW	SAY	STUDENTS CIRCLE
a	Mia says, "The book is longer than the pencil." I read HOW?, WHAT?, and WHEN?. Which question word begins the question you could ask to learn Mia's evidence?	HOW?
b	Noah says, "This paper can bend." I read WHAT?, WHEN?, and HOW?. Which question word begins the question you could ask to learn Noah's evidence?	HOW?
c	Ava says, "The book feels heavier than the paper." I read WHEN?, HOW?, and WHAT?. Which question word begins the question you could ask to learn Ava's evidence?	HOW?

PART 2 • CHECK IT

SAY "We can check an idea with a book, a pencil, and a sheet of paper. I will read the words on both sides. For each word on the left, which action could help you gather evidence? Draw a line to the action."

- **LONG** matches **LINE**
- **HEAVY** matches **LIFT**
- **BENDY** matches **BEND**

WHAT TO ACCEPT

For Part 1, accept HOW? circled in every row. For Part 2, accept LONG to LINE, HEAVY to LIFT, and BENDY to BEND; also listen for students who can say, "How do you know?" when an idea is stated.