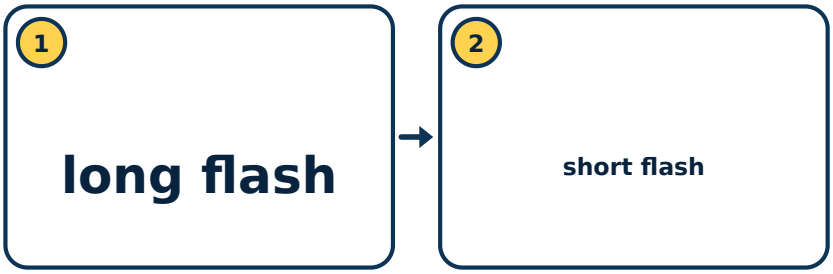
Design Information Transfer

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. Code: long-short = come home, short-long = stay. Look at the cards. What is the message?

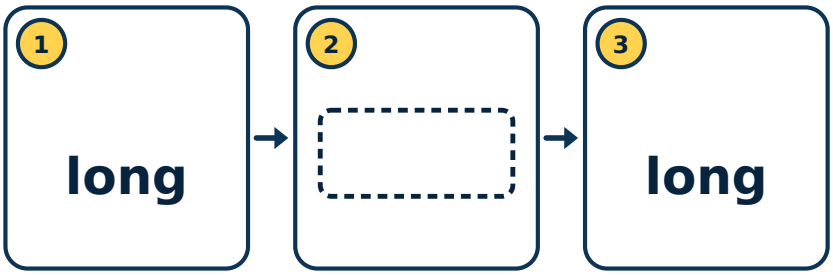


stay come home come later

2. Why is a smoke alarm a beeping sound instead of a light?
   a sleeping person can hear it with eyes closed
   sound travels through walls slower than light
   lights cannot be made in a ceiling

3. A hiker uses 3 whistle blasts to call for help. Why use 3 instead of 1?
   3 blasts is a pattern that is unlikely to happen by accident
   1 blast is too loud for people nearby
   3 blasts use less breath than 1 long blast

4. Code: long-long = meet at the gate, long-short-long = meet at the gym. Which card is missing from the gym signal?



pause long short

5. A code sends numbers by tapping. Circle 4 times for 4. What problem comes with big numbers like 30?
   it takes a long time and is easy to miscount
   the taps get louder each time
   the receiver cannot hear numbers

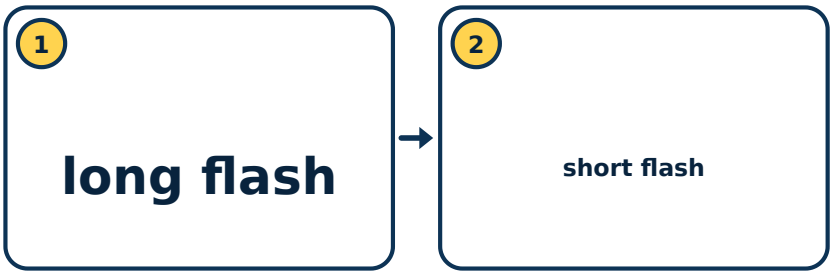
Scan to get this marked free. No screen time for your child.
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Answer Key - Grade 4 Science Worksheet - Building Confidence

Circle the answer.

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stay **come home** come later

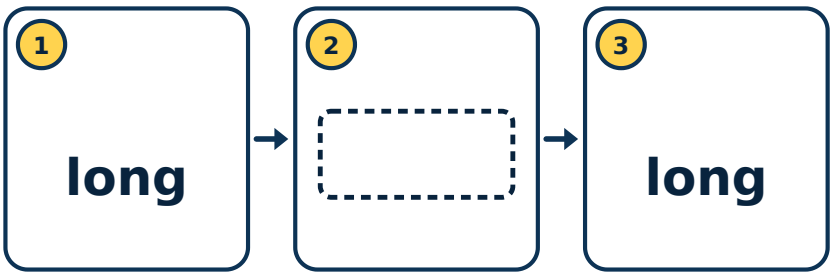
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