Here are some ideas from scientists who disagreed with Wegener.

A  Land fossils on different continents are very similar. The continents must have been joined by land bridges. We can’t see them, so the bridges must have sunk.

B  The ocean floors are solid rock. So the continents cannot move sideways.

C  The Moon was torn out of the Earth. The space it left behind is where the Pacific Ocean is now.

D  As the Earth cooled and contracted, its surface wrinkled and formed mountain chains.

E  The ocean floors and continents have always been the same as they are now.

Wegener replied to these ideas. The table shows his replies.

1  Choose three of the ideas from other scientists A–E to match Wegener’s replies. Write the letters in the table.

<table>
<thead>
<tr>
<th>Scientist’s idea</th>
<th>Wegener’s reply</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sinking land bridges are impossible. Land is made of low-density rock. It couldn’t sink into the ocean floor, because that has a higher density.</td>
</tr>
<tr>
<td></td>
<td>Mountain chains form as the continents collide.</td>
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<tr>
<td></td>
<td>The rock of the ocean floors can flow. Small forces move the continents through the ocean floor.</td>
</tr>
</tbody>
</table>

2  Other scientists disagreed with Wegener for another reason. Wegener was not a geologist. He was a meteorologist.

a  What is a meteorologist? ..................................................................................................

b  Why did this influence geologists’ views of Wegener’s ideas?
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