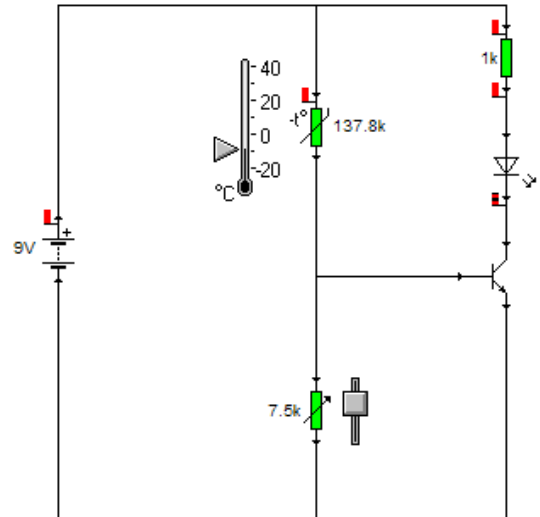


The diagram on the right shows a circuit similar to one found in modern fridge freezers.

Use your knowledge of transistors to complete the exercise below. It may be helpful to think about the properties of a “good answer”.



1. Describe what you think would happen in this circuit if the temperature is increased.

Why do you think this will happen?

How confident are you with your answer?

Give yourself a confidence score out 10 (10 is very confident) /10

Now pass your answer to the person on your left.

PTO

2. Read the answer on the previous page and describe how you can help improve on this answer.

How do you think your changes will help?

How confident are you with your suggestions?

Give yourself a confidence score out 10 (10 is very confident) /10

Now pass your answer to the person on your left.

3. Read the suggestions above and describe how you can improve further on the answer. Can you also suggest improvements to the suggestions already given?

How do you think your changes will help?

How confident are you with your suggestions?

Give yourself a confidence score out 10 (10 is very confident) /10

Now pass your answer to the person who completed section 1.

4. Consider your first answer and the suggestions given above.
What changes will you now make to your answer?

Which suggestion was of most use to you and why?

How would you test your final answer by experiment?