

Solar Panels Feedback

SCOL A2L

SA
Self Assessment

Comment
Divergent thinking is a thought process or method used to generate creative ideas by exploring as many **possible solutions to a problem as possible, no matter how weird or wacky**. Divergent thinking leads to creativity. On some problems you have attempted this, good effort, on others you have **explored obvious answers**

MAD Target
Your alternative criteria is **general and lacking in any detail**.

- Do solar panels have to bolt onto the roof?
- Do solar panels have to have one function?
- Do solar panels have to be a rectangular shape?

Research how you can improve the aesthetics of solar panels and incorporate / disguise them in your design. **Start with solar panel roads!**

SCOL A2L

SA
Self Assessment

Comment
Sometimes to solve a problem **we need to remove a mental (and unnecessary) constriction**. Removing the assumption we initially imposed on ourselves **Do solar panels have to have one function? Do solar panels have to be a rectangular shape?**

MAD Target
Your alternative criteria is **general and lacking in any detail**.

- Do solar panels have to bolt onto the roof?
- Do solar panels have to have one function?
- Do solar panels have to be a rectangular shape?

Research how you can improve the aesthetics of solar panels and incorporate / disguise them in your design. **Start with solar panel roads!**

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Self Assessment

Comment
Divergent thinking is: **The ability to see lots of different answers**. The ability to **see lots of ways to interpret a question**. The ability to "think outside the box." How can we do this when designing? Firstly we can look at the task or question and **try to interpret it differently**. Don't set out to try and come up with the one obvious answer. Good attempt.

MAD Target
You have explored alternative criteria for improving the aesthetics of solar panels. Research how you can improve the function of solar panels and incorporate, disguise them in your design.

Start with solar panel fence panels.....

What else can you turn solar panels into? If you cant find any information, you may have found a gap in the market and a solution to a problem.

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Self Assessment

Comment
If you write down or draw an idea and you don't think that it is a good idea, then you **should still present it in your paper work regardless**. Why?

It shows development of ideas = Higher Marks Elements/Parts of that "Bad" idea may spark inspiration for another idea.

MAD Target
You have explored alternative criteria for improving the aesthetics of solar panels. Research how you can improve the function of rainwater collectors and incorporate, disguise them in your design.

Start with solar panel furniture.....

What else can you turn solar panels into? If you cant find any information, you may have found a gap in the market and a solution to a problem.

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Self Assessment

Comment
You have shown that lateral thinking (Divergent Thinking) is the **ability to think creatively, or "outside the box"** you have been able to use inspiration and imagination to **solve problems** by looking at them from **unexpected perspectives**. I like the way you have explored the aesthetics of solar panels and explored the possibility of **making them look like trees**. Very good.

MAD Target
You have used **3 alternative points** in your creative mind map. You now need to expand each alternative branch with at least **5 options or more**.

Research how you can improve the aesthetics of solar panels and incorporate / disguise them in your design. **Look at what could be replaced on your house, or where they could be disguised or integrated as part of the design (fences?).**

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Self Assessment

Comment
Divergent thinking (lateral thinking) is **the ability to solve a problem** way beyond the obvious.

You leaving behind traditional modes of thought, and **throw away preconceptions**.

MAD Target
You have used **4 alternative points** in your creative mind map. You now need to expand each alternative branch with at least **5 options or more**.

Research how you can improve the aesthetics of solar panels and incorporate / disguise them in your design. **Look at what could be replaced on your house, or where they could be disguised or integrated as part of the design (fences?).**

SCOL A2L

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Self Assessment

Comment
Lateral thinking involves **discarding the obvious**, leaving behind traditional modes of thought, and **throw away preconceptions**. Do solar panels have to bolt onto the roof? **Do solar panels have to have one function? Do solar panels have to be a rectangular shape?** You have explored some of these options in your mind-map. Excellent.

MAD Target
You have successfully explored **3 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 4th option:

How can you capture kinetic energy from peoples movement and steps to generate electricity?

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Self Assessment

Comment
Divergent thinking (lateral thinking) allows you to look at a problem from a **new angle or perspective**.

If you think of an idea and you don't think that it is a good idea as you cant find any research information, then you **should still present as you may have found a potential gap in the market**.

MAD Target
You have successfully explored **3 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 4th option:

How can you capture kinetic energy from peoples movement and steps to generate electricity?

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MAD Target

Your alternative criteria is **general and lacking in any detail**.

- Do wind turbines have to be separate to the house? Do wind turbines have to have one function? Do wind turbines have to be the shape and size they are?

Research how you can improve the aesthetics of wind turbines and incorporate / disguise them in your design. **Start with wind turbine fences!**

SCOL A2L

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Self Assessment

Comment

Sometimes to solve a problem **we need to remove a mental (and unnecessary) constriction**. Removing the assumption we initially imposed on ourselves **Do wind turbines have to have one function? Do wind turbines have to be a rectangular shape?**

MAD Target

Your alternative criteria is **general and lacking in any detail**.

- Do wind turbines have to be separate to the house? Do wind turbines have to have one function? Do wind turbines have to be the shape and size they are?

Research how you can improve the aesthetics of wind turbines and incorporate / disguise them in your design. **Start with wind turbine fences!**

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Comment

Divergent thinking is: **The ability to see lots of different answers**. The ability to **see lots of ways to interpret a question**. The ability to "think outside the box." How can we do this when designing? Firstly we can look at the task or question and **try to interpret it differently**. Don't set out to try and come up with the one obvious answer.

MAD Target

You have explored alternative criteria for improving the aesthetics of wind turbines. Research how you can improve the function of wind turbines and incorporate / disguise them in your design.

Start with wind turbine trees.....

What else can you turn wind turbines into? If you cant find any information, you may have found a gap in the market and a solution to a problem.

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It shows development of ideas = Higher Marks
Elements/Parts of that "Bad" idea may spark inspiration for another idea.

MAD Target

You have explored alternative criteria for improving the aesthetics of wind turbines. Research how you can improve the function of wind turbines and incorporate / disguise them in your design.

Start with wind turbine trees.....

What else can you turn wind turbines into? If you cant find any information, you may have found a gap in the market and a solution to a problem.

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You have shown that lateral thinking (Divergent Thinking) is the **ability to think creatively, or "outside the box"** you have been able to use inspiration and imagination to **solve problems** by looking at them from **unexpected perspectives**. I like the way you have explored the aesthetics of wind turbines and explored the possibility of **making them look like trees**. Very good.

MAD Target

You have used **3 alternative points** in your creative mind map. You now need to expand each alternative branch with at least **5 options or more**.

Research how you can improve the aesthetics of wind turbines and incorporate / disguise them in your design. **Look at what could be replaced on your house as wind turbines, or where they could be disguised**.

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You leaving behind traditional modes of thought, and **throw away preconceptions**

MAD Target

You have used **4 alternative points** in your creative mind map. You now need to expand each alternative branch with at least **5 options or more**.

Research how you can improve the aesthetics of wind turbines and incorporate / disguise them in your design. **Look at what could be replaced on your house as wind turbines, or where they could be disguised**.

SCOL A2L

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Self Assessment

Comment

Lateral thinking involves **discarding the obvious**, leaving behind traditional modes of thought, and **throw away preconceptions**. Do solar panels have to bolt onto the roof? **Do wind turbines have to be separate to the house? Do wind turbines have to have one function? Do wind turbines have to be the shape and size they are?** You have explored some of these options in your mind-map. Good.

MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines, rain water collectors and one sustainable feature of your own choice.....

Research a 5th option:
How can you capture kinetic energy from peoples movement and steps to generate electricity?

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Comment

Divergent thinking (lateral thinking) allows you to look at a problem from a **new angle or perspective**.

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MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines, rain water collectors and one sustainable feature of your own choice.....

Research a 5th option:
How can you capture kinetic energy from peoples movement and steps to generate electricity?

Rainwater Collector Feedback

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MAD Target
Your alternative criteria is **general and lacking in any detail**.

- Do rainwater collectors have to be a barrel?
- Do rainwater collectors have to have one function?

Research how you can improve the aesthetics of rainwater collectors and incorporate / disguise them in your design. **Start with a rainwater collector canopy!**

SCOL A2L

SA
Self Assessment

Comment
Sometimes to solve a problem **we need to remove a mental (and unnecessary) constriction**. Removing the assumption we initially imposed on ourselves **Do rainwater collectors have to have one function? Do they have to be a round barrel shape?**

MAD Target
Your alternative criteria is **general and lacking in any detail**.

- Do rainwater collectors have to be a barrel?
- Do rainwater collectors have to have one function?

Research how you can improve the aesthetics of collectors and incorporate / disguise them in your design. **Start with a rainwater collector canopy!**

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MAD Target
You have explored alternative criteria for improving the aesthetics of rainwater collectors. Research how you can improve the function of them and incorporate, disguise them in your design.

Start with rainwater collector furniture.....

What else can you turn rainwater collectors into? If you cant find any information, you may have found a gap in the market and a solution to a problem.

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MAD Target
You have explored alternative criteria for improving the aesthetics of solar panels. Research how you can improve the function of rainwater collectors and incorporate, disguise them in your design.

Start with rainwater furniture.....

What else can you turn rainwater collectors into? If you cant find any information, you may have found a gap in the market and a solution to a problem.

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MAD Target
You have used **3 alternative points** in your creative mind map. You now need to expand each alternative branch with at least **5 options or more**.

Research how you can improve the aesthetics of rainwater collectors and incorporate / disguise them in your design. **Look at what could be replaced on your house as rainwater collectors, or where they could be disguised**.

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MAD Target
You have used **4 alternative points** in your creative mind map. You now need to expand each alternative branch with at least **5 options or more**.

Research how you can improve the aesthetics of rainwater collectors and incorporate / disguise them in your design. **Look at what could be replaced on your house as rainwater collectors, or where they could be disguised**.

SCOL A2L

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Self Assessment

Comment
Lateral thinking involves **discarding the obvious**, leaving behind traditional modes of thought, and **throw away preconceptions**. Do solar panels have to bolt onto the roof? **Do rainwater collectors have to have one function? Do rainwater collectors have to be a barrel shape?** You have explored some of these options in your mind-map. Excellent.

MAD Target
You have successfully explored **3 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 4th option:

How can you capture kinetic energy from peoples movement and steps to generate electricity?

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Research a 4th option:

How can you capture kinetic energy from peoples movement and steps to generate electricity?

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Research a 4th option:

How can you capture kinetic energy from peoples movement and steps to generate electricity?

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Self Assessment

Comment

Sometimes to solve a problem **we need to remove a mental (and unnecessary) constriction**. Removing the assumption we initially imposed on ourselves **Do wind turbines have to have one function? Do wind turbines have to be a rectangular shape?**

MAD Target

You have successfully explored **3 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 4th option:

How can you capture kinetic energy from peoples movement and steps to generate electricity?

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MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 5th option:

How can you use green algae to generate electricity?

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MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 5th option:

How can you use green algae to generate electricity?

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Comment

You have shown that lateral thinking (Divergent Thinking) is the **ability to think creatively, or "outside the box"** you have been able to use inspiration and imagination to **solve problems** by looking at them from **unexpected perspectives**. I like the way you have explored the aesthetics of wind turbines and explored the possibility of **making them look like trees**. Very good.

MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 5th option:

How can you use green water to generate electricity?

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Self Assessment

Comment

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You leaving behind traditional modes of thought, and **throw away preconceptions**

MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 5th option:

How can you use water to generate electricity?

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Self Assessment

Comment

Lateral thinking involves **discarding the obvious**, leaving behind traditional modes of thought, and **throw away preconceptions**. Do solar panels have to bolt onto the roof? **Do wind turbines have to be separate to the house? Do wind turbines have to have one function? Do wind turbines have to be the shape and size they are?** You have explored some of these options in your mind-map. Good.

MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 5th option:

How can you harness geothermal energy?

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Self Assessment

Comment

Divergent thinking (lateral thinking) allows you to look at a problem from a **new angle or perspective**.

If you think of an idea and you don't think that it is a good idea as you can't find any research information, then you **should still present as you may have found a potential gap in the market**.

MAD Target

You have successfully explored **4 alternative points** in your creative mind map. Solar panels, wind turbines and rain water collectors

Research a 5th option:

How can you harness geothermal energy?