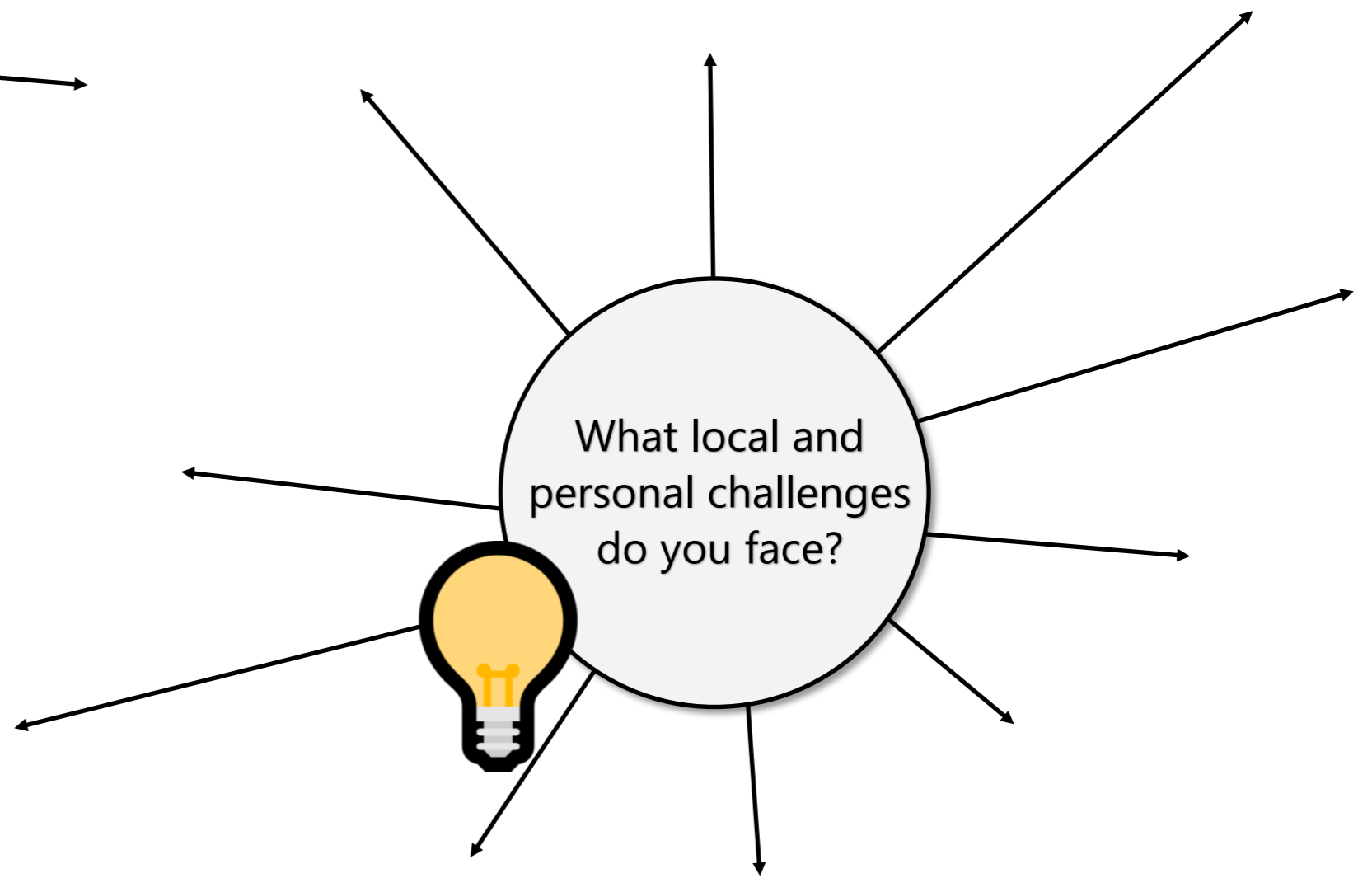
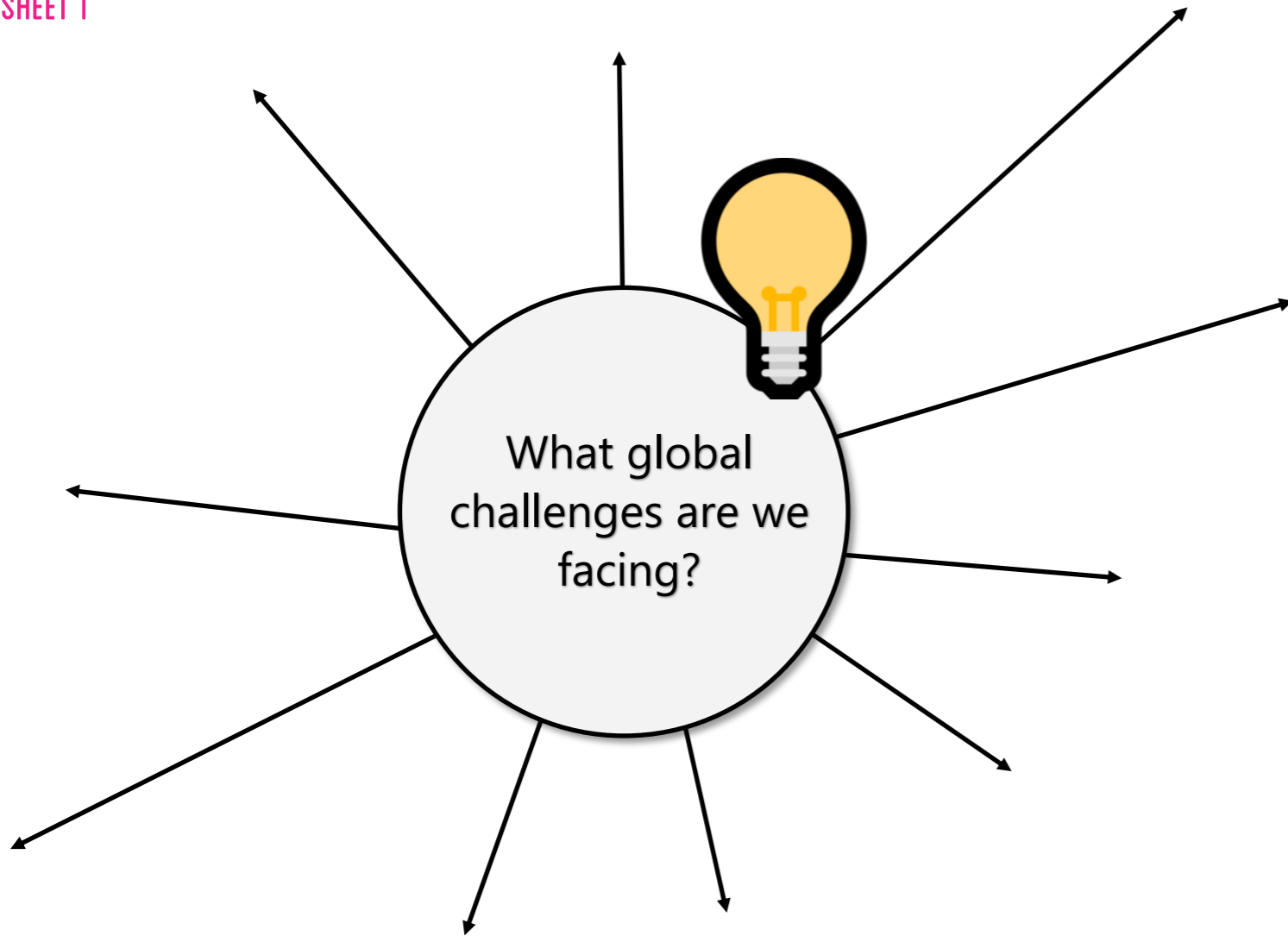


TASK: 1. Write down the global challenges you feel are most important. 2. Think of challenges or issues local to you, within your town or city and in your own home, in relation to how you live, work, or play.



Team name:	
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WORKSHEET 2

1. How can you make your building/outdoor space **KINDER** to **PEOPLE**?

2. How can you make your building/outdoor space **KINDER** to the **ENVIRONMENT**?

3. How can you make your building/outdoor space **SAFER**?

4. How can you make your building/outdoor space **SMARTER**?

Think about...

For public buildings...

- Who is your building for?
- What would make your building smarter?
- How could your building make the people who use it happier, healthier or more productive?
- How could your building or outside space help to connect people with each other?
- Could your building have more than one use?

For residential buildings...

- How could your home respond to you and your immediate needs?
- How could your home be more comfortable?
- How could you use data?
- How could you use robots?
- How could you use digital art?
- How could your home change to suit a family as changes in size?
- Which objects in your home could connect to the outside world to improve your life?

5. How could you use technology to achieve this?

6. How could you use design to achieve this?

7. What building materials could help you achieve this?

Team name:	
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WORKSHEET 3A - FOR THE DESIGN TEAM

TASK: Design how your building is going to look. The Design Team is responsible for internal and external designs. Think about the aesthetics of your building. How will it look from outside? How will the building exist within the surrounding area?

Team name:	
Design team members:	
Your building name:	



WORKSHEET 3B - FOR THE TECHNOLOGY TEAM

TASK: Design a piece (or pieces) of technology for the building. How will your building use data? How will you use technology to connect the building and people to the city using technology? How will your building use technology to help it fulfil its function?

Team name:	
Technology team members:	
Your building name:	



WORKSHEET 3C - FOR THE ENGINEERING TEAM

TASK: Consider what materials you will use (for the real building, not your model) and what impact this will have on the users, surrounding buildings, and the wider environment. The Engineering Team is responsible for the structure of the building and the choice of materials. Think about sustainable materials and smart materials.

What materials have you chosen to use in the real building?	Why have you chosen these materials?

Biomimicry is the imitation of nature for the purpose of solving human problems. Architects and designers often look to nature for inspiration. How will your building take inspiration from nature (you can draw and write here)?

Team name:	
Technology team members:	
Your building name:	

WORKSHEET 4

1. What is your building called and what type of building is it?

2. Which problem(s), global or local, does your building help to tackle, and how does it do this?

3. Tell us one really amazing thing about your building? It could be about the design, the technology, or the engineering?

As a team, write a 60-second presentation script. You should use the questions on the left to help you write this.

Team name:	
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