

## Physical Metallurgist Interview Questions

1. Share an experience in which your diligence of inspecting equipment, structures, or materials helped you identify a problem or the cause of a problem.
2. Share an experience in which you solved a difficult problem related to product failure. How did you identify the problem?
3. Share an experience you had in dealing with a difficult person and how you handled the situation.
4. Share an experience in which you successfully shared a difficult piece of information. (Make sure that the candidate has open lines of communication.)
5. Share an experience when you applied new technology or information in your job. How did it help your company?
6. Give me an example of when you thought outside of the box. How did it help your employer?
7. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.
8. Would you consider analyzing data or information a strength? How so?
9. In your experience, what is the key to ensuring your company was compliant with all laws, regulations and standards that were applicable to your area of responsibility?
10. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?
11. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?
12. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?
13. Name a time when you identified strengths and weaknesses of alternative solutions to problems. What was

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the impact?
14. Share a time when you successfully used scientific rules or methods to solve a problem at work.
15. Tell me how you organize, plan, and prioritize your work.
16. Name a time when your advice to management led to an improvement in your company or otherwise helped your employer.
17. Provide a time when you were able to identify a complex problem, evaluate the options, and implement a solution. How did the solution benefit your employer?
18. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?
19. Share an experience in which you oversaw the assembly, fabrication, construction, maintenance, or modification of equipment. How did you communicate to the staff what you wanted?
20. Tell me about a time when your ability to analyze needs and product requirements helped you create an effective design or make an informed decision to benefit your company.
21. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)
22. Please share an experience in which you presented to a group. What was the situation and how did it go?
23. Share an experience in which your understanding of a current or upcoming problem helped your company to respond to the problem.
24. Share an experience in which your attention to detail and thoroughness had an impact on your last company.
25. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)

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26. Share an experience in which your ability to consider the costs or benefits of a potential action helped you choose the most appropriate action.

27. Provide an example when your ethics were tested.

28. Describe an experience in which you identified the educational needs of your students and successfully developed a way to teach/train them.

29. What have you found to be the best way to monitor the performance of your work and/or the work of others? Share a time when you had to take corrective action.

30. Share an example of when you established and accomplished a goal that was personally challenging. What helped you succeed?