

### **Discussion Point 1, Chapter 1**

What is the relationship between mathematics and music, and why is it important to 'natural philosophy'?

### **Discussion Point 2, Chapter 1**

What problems did musical tunings cause for mathematics, beginning with Pythagoras?

### **Discussion Point 3, Chapter 1**

What is coincidence theory, and how does it impact our understanding of music?

### **Discussion Point 4, Chapter 1**

Why is it important to view 19<sup>th</sup> century psychophysics as exploring the tension between physical properties of music and individual aesthetic responses?

### **Discussion Point 5, Chapter 1**

Why is it important to think about Helmholtz weaving together three threads: physics of sound, physiology of hearing, and musical aesthetics?

### **Discussion Point 6, Chapter 1**

What are the general implications of assuming rationalism or cognitivism when one studies the psychology of music?

### **Discussion Point 7, Chapter 1**

Discuss the importance of 'active musical processing' as a feature of musical cognitivism.

### **Discussion Point 8, Chapter 1**

What is the tonal hierarchy, and what implications does it have for the psychology of music?

### **Discussion Point 9, Chapter 1**

What is a Shepard tone, and why is it important as a stimulus in the study of the psychology of music?

### **Discussion Point 10, Chapter 1**

What is the tritone paradox, and what implications does it have for the psychology of music?