

## CHAPTER

## 5

## REINFORCEMENT WORKSHEET

*This is Radio KCEL*

Complete this worksheet after you have finished reading Chapter 5, Section 3.

Hello, Cell-O-Rama radio fans! Katy Chromosome here. We have a very exciting program in store for you: *Cell Mitosis in Action*, with local sports announcers Sid Toekinesis and Dee Ennay. To make this a Cell-O-Rama challenge, we've spliced the sound clips from each phase of mitosis in the wrong order. Your job is to identify the correct phase for each clip and then put the clips in the correct sequence. Good luck! Dee and Sid?

*Sid:* Thanks, Katy. Let's roll the tape, Dee.

*Dee:* Rolling . . .

**Segment A: Mitosis Phase \_\_\_\_\_**

*Sid:* Dee, I think the Chromatid twins are really mad this time. They seem to be storming off in opposite directions. Don't they care about the game?

*Dee:* This is just incredible, Sid. Wait a minute! Both groups appear to be moving into huddles. Is the game over? Do you think they'll come back?

**Segment B: Mitosis Phase \_\_\_\_\_**

*Sid:* Dee, this is UN-believable. The Chromatid twins are shrinking! Are they getting ready for a fight?

*Dee:* Sid, I am brand new to this game, and I just don't know what might happen next. Where on *Earth* are those centrioles going?

*Sid:* Dee, I think things are getting too hot for them. They are hightailing it out of there.

*Dee:* Oh no. They seem to be throwing a net to trap the Chromatid twins. It looks like the centrioles are herding them to the center of the field.

**Segment C: Mitosis Phase \_\_\_\_\_**

*Sid:* This is truly amazing, Dee. Some sort of barrier seems to be forming around each of the huddles. What is going on?

*Dee:* Sid, believe it or not, I think the teams are taking a timeout. See how they're all unwinding? They have worked hard today. This has been *quite* a game!

**Segment D: Mitosis Phase \_\_\_\_\_**

*Sid:* Dee, maybe they're getting ready for a kickoff. The twins are lining up along the center of the field. I think they're waiting for a signal.

*Dee:* Sid, you can just *feel* the tension in the air. Uh oh. I think a fight just broke out. Wait—they're all *wrestling* out there! The twins look like they're trying to get away from each other. Where are the refs when you need them?