

Cell CBRT Script
By Mrs. McGowan's Class * CHAT Academy * Selma, Alabama

- 1: Ladies and Gentlemen, please watch your step as you come on the boat. Is everyone seated and ready to go?
- All: Yes! [gesture]
- 1: Welcome to
- All: Microscopic Riverboat Tours. [sound effect]
- 1: Today we will be traveling through CELLMA!
- 2: Selma, Alabama?
- All: No. Cellma as in C-E-L-L-M-A as in the Kingdom Animalia. [gesture]
- 3: The cell is the basic unit of all living things and we will be touring the animal cell.
- ALL: C-E-L-L-M-A! Got it? [gesture]
- 2: Got it! (gesture: shaking head up and down) So, what are we going to see! Huh? Huh? Huh?
- 1: Our tour will include the organelles of the cell. Repeat after me: All cells have organelles:
- ALL: All cells have organelles.
- 3: The organelles are the parts of the cell.
- 4: Today, we will be visiting the cell membrane, the cytoplasm, the mitochondria, the vacuole, and the big boss, the nucleus. [gesture]
- All: The cell membrane, the cytoplasm, the mitochondria, the vacuole, and the big boss, the nucleus. [gesture]
- 2: We can't wait! Let's go! (Gesture Raise one hand) Yeah!
- 3: Wait! Look over there! There are guards!
- 4: They look like they might not let us in.
- 5: They look like lemon heads and green sour straws.
- ALL: Can we eat them?
- 1: No! They are the oily lipids that protect the cell. [gesture]
- All: Oily lipids protect the cell. [gesture]
- 1: We just have to give them the password and they will let us.
- 6: What's the password?
- 2-5: Tell us! [gesture]
- 1: The password is...
- All: Sugar O₂.
- 6: Isn't O₂ oxygen? [gesture]
- All: Yes. The animal cell will allow sugar and oxygen in.
- 1: Now, on the count of 3 we will say the password together. 1-2-3:
- ALL: SugarO₂!
- 8: Look it's opening up!
- ALL: The cell is opening up! Amazing! WOW! [gesture]
- 9: OOO! What's all this slimy stuff?
- All: It's the cytoplasm.
- 2-9: Can we eat it?
- 10: Yeah, it looks like jello!
- 2-10: Yummy! (Gesture: rub stomach)
- 1: No, you can't eat it.
- All: The cytoplasm is the gel-like substance that protects all the organelles.
- 11: Hey, Look over there! (gesture; points to the right)
- ALL: (Gesture:everyone looks right)
- 12: What's that? It looks like a big pinto bean!
- 2-12: Can we eat it?
- 1: No. That is the mitochondria.
- All: The mitochondria is the organelle that helps the cell in respiration.
- 1: It's like breathing.

All: It takes in sugar and oxygen and it releases carbon dioxide and water.

13: So it's like... breathe in...breathe out... Breathe in... Breathe out...

ALL: Breathe in (take breathe) Breathe out (Let out breath)

14: Like sugar and oxygen in (take in air) and carbon dioxide and water out (let breathe out.

ALL: (Rhythmical) Sugar and oxygen in and carbon dioxide and water out.

1: You've got it! Now, take a look over there (Points left)

All: (Look to left.)

15: Eww! What's that smell?

ALL: Pew-Wee! (Holds noses)

16: It smells like a paper mill or something!

17: Hey it's pulling the boat toward it? Everyone hold on! This could get nasty!

1: That would be the vacuole. It's checking us out.

All: The vacuole works like a vacuum cleaner in the cell to keep the cell clean. [sound effect] [gesture]

1: It has to check to see if we are water or waste. It's used to us coming by, so it will leave us alone.

ALL: Whew! (wipe brow)

18: It would ruin our appetite!

19: Oh, my goodness! Oh, my goodness!

20: What?

19: Points to right

ALL: (Look to right and gasp look amazed.)

21: That's the biggest organelle we've seen.

22: It looks like a grape blow-pop.

ALL: Can we eat it?

1: No! That is the boss of the cell— THE NUCLEUS(with emphasis) [gesture]

ALL: OOOOh! The boss of the cell— THE NUCLEUS(with emphasis) [gesture]

23: Why is the nucleus the boss?

1: The nucleus controls the cell.

24: You mean it tells the cell what to do?

1: Yes, it does. It has to or the cell will not survive. Just like the CEO of the cell.

25: What is all that stuff inside? It looks like little pixy sticks.

ALL: Can we eat them?

1: No, That's the genetic material!

2: What's the genetic material?

1: It's protein rods wrapped with DNA!

All: DNA gives the specific code of the living thing. DNA later becomes chromosomes during cell division.

2-10: WOW! [gesture]

3: It does all that?

1: Yes, it does and more. Well, ladies and gentlemen, that completes our tour. We'll be going back out now.

4: Wait! Aren't there a couple of things you missed?

5: Yeah! What about the green chloroplast?

6: I didn't see the cell wall.

All: Duh! That is because we are in an animal cell and those two organelles are found only in the plant cell.

4-6: OOOOh!

1: I hope you have enjoyed your tour.

7: We have one more question.

1: Yes?

ALL: Can we eat now? [gesture]