



# "Your Sin Separates You from God!"

## Oil and Water Demonstration

### Bible Verse

"And everyone who calls on the name of the Lord will be saved." Acts 2:21

"Surely the arm of the LORD is not too short to save, nor his ear too dull to hear. But your sins have separated you from your God; your sins have hidden his face from you, so that he will not hear. For your hands are stained with blood, your fingers with guilt. Your lips have spoken falsely, and your tongue mutters wicked things." Isaiah 59:1-2

### Main Spiritual Point

Your sin separates us from God. Jesus is the simple solution to this complex problem. Will we choose His simple plan for our problem of sin?

### Science Concept

A small amount of red Marvel Mystery Oil (similar in chemical composition to crude oil) is poured into a jar of water, simulating an oil spill. It is quite challenging to remove the layer of oil, now floating on the surface. Sprinkle a small amount of a patented oil polymer onto the layer of oil and in seconds the polymer bonds to the oil, forming a sponge-like material that can be easily removed from the jar of water. This polymer is specially formulated to bond quickly and safely to many types of liquid hydrocarbons including crude oil, diesel fuel and gasoline. The bonding is so complete that it literally encapsulates the liquid hydrocarbons in seconds. This is an incredible solution to future oil spill disasters. What an amazing discovery, right? Yet the oil-absorbing polymer sat on a shelf for over 20 years, unused. This superabsorbent polymer is now being used in its industrial form to mop up oil spills to lessen the effect of environmental disasters on animal and human life.

### You will need:

- Marvel Mystery Oil
- Enviro-Bond 403 (Oil absorbing polymer)
- Sealed jar: half filled with water; half filled with Marvel Mystery Oil
- Large beaker filled  $\frac{3}{4}$  with water
- Rubber gloves
- Trash can

### Difficulty & Duration:

**Moderate: 15 Minutes**

### Tips For Success:

- Wear rubber gloves when working with Marvel Mystery Oil.
- Once the white powder has been poured, it takes about 5-6 minutes for the polymer to fully absorb the red oil. Plan ahead and have discussion questions prepared as the reaction happens.
- Have a trash can close by during this demonstration. Once the oil/white powder mixture has been removed from the water, show the audience and then discard into the trash.

# Oil and Water: What to Say to Kids

1. God created us to know, love and serve Him. There was a perfect relationship - friendship with God and people, Adam and Eve. Nothing was in the way of that friendship. Life was perfect! How do you imagine life was like before Adam and Eve sinned? Share some ideas.

2. Then something bad happened. Sin entered (pour red oil on top of the beaker of water). Now life was not perfect any more. People could not have a friendship with God, because sin separates us from God. It is a curse, and we can't get rid of it! Sin **SEPARATES** us from God, and there is nothing we can do to remove our sin.

3. (Pull out sealed jar, rock the jar to try to put oil on bottom.) We try. Maybe doing good things, maybe more good things than bad things, maybe doing the **RIGHT** good things. Praying, going to church, reading the Bible, singing songs, being baptized. Nope. (Point out that the red oil always rises to the top). We have a problem. But we cannot fix it by ourselves. I cannot solve this problem on my own.

4. If I try to scoop out this oil on my own, it is even a bigger mess. The Bible says, "For your hands are stained with blood, your fingers with guilt." Name some sins that separate us from God.

5. Jesus - pure, holy - came from heaven, the only one who can solve the problem. (Start pouring the white powder). We believe that Jesus is God's Son, that He died in our place to pay for our sin and remove it, and then He rose again to new life! So now He offers forgiveness and new life for those who believe!

6. Read 2 Corinthians 5:21 "He made Him who knew no sin to be sin for us, so that we might become the righteousness of God."

7. (Wearing gloves, remove the oil and powder mixture). We will no longer be under the curse of sin and no longer separated from God. Why wouldn't everyone want to ask Jesus to be their Savior, and **SOLVE THE PROBLEM?! Have you ever asked Jesus to save you from your sins and have you asked Him to take away your sin? You can! The Bible says that "And everyone who calls on the name of the Lord will be saved."**

8. This interesting powder can absorb and pick up oil. How cool is that! A powder that takes away the problem of an oil spill! There is an interesting story about how this powder was invented. A huge boat called the Exxon Valdez had hit an iceberg and all of the oil inside the boat spilled out everywhere. It was a huge mess. It was a big problem. Now, there was a man named Larry Thompson. He was a special scientist. He saw the huge oil spill that had happened and he invented this polymer to soak up the oil. It's called Enviro-Bond 403.

9. Yet, it was not used! It sat on a shelf for 20 years! Even though they had a solution to a super messy oil spill, they didn't use it! In the same way, we have a solution to our sin problem, but will we use it? Jesus became our sin, so that it could be removed from us! They had the technology to remove the oil from the ocean, but did not use it! This is not technology. No, it is better - it is the truth! Will you allow the truth of Jesus to take away the sin that separates you and God?

10. In Acts 2:21 Peter shared with the people, "God has raised this Jesus to life, and we are all witnesses of it." How can someone become a child of God, be forgiven and have their sins **TAKEN** away just like that red oil? Simple. A - All have sinned and fallen short of the glory of God. Admit to God you have sinned. B - Believe in your heart that Jesus died to take away your sins and rose again. C - Confess that Jesus is Lord and live for Him and His glory!