



## Shopping list for PiA – Physics in Advent 2016

[www.physik-im-advent.de](http://www.physik-im-advent.de)

### ALPHABETICAL LIST

- adhesive tape or other transparent tape
- books with same weight, same thickness, same size (6-8 items)
- bowl of water
- bowl of water or shallow plate
- bowl, small
- bubble solution
- candle
- candles or lamps (2 items)
- cardboard tube (e.g. from a kitchen roll)
- CD cover
- chopping board
- cooking oil or grease (a few drops)
- copper coins (20 – 30 items)
- corn flour (5 tablespoons)
- cotton reel
- drinking straws, flexible
- elastic bands
- foil, high reflective (e.g. arts/craft shop)
- glass bottle
- glass bottle, empty (mineral water, ...)
- glass bowl, small
- glass of water
- hazelnuts
- ice cubes
- knives (4 items)
- lemons, fresh (2 items)
- matches
- miniature light bulb
- mobile phone with flash
- mugs or glasses (4 items)
- oat flakes
- paper handkerchief
- paper, white (A4)
- pepper, green
- PET bottle
- piece of transparent plastic (10x10 cm)
- pin to make a hole
- plastic beakers
- salt shaker
- scissors
- scrap of paper
- shallow plate
- sheet of cardboard (A5 or larger)
- sheet of paper, white or piece of cardboard
- silver or copper wire (20 cm)
- small piece of paper
- soldering iron (if available, but experiment can also be done without one)
- Spaghetti in a normal-long cardboard packet
- sparkling water
- sponge rubber
- steel or zinc nail
- straw
- straw
- string
- sugar cubes
- table edge
- tablespoon
- tap water
- tomato, red
- transparent bowl
- transparent sheets, red and green (1x1 cm)
- washing-up liquid
- washing-up liquid or liquid soap
- water
- wav/mp3 player (e.g. mobile phone)
- weight, large (e.g. 3 cm diameter wooden ball with hole)
- weight, small (e.g. 1 cm diameter wooden ball with hole)
- wine glass



## Shopping list for PiA – Physics in Advent 2016

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### CHRONOLOGICAL LIST

- wav/mp3 player (e.g. mobile phone)
- corn flour (5 tablespoons)
- bowl, small
- water
- tablespoon
- glass of water
- straw
- scissors
- Spaghetti in a normal-long cardboard packet
- oat flakes
- hazelnuts
- glass bowl, small
- cardboard tube (e.g. from a kitchen roll)
- sponge rubber
- elastic bands
- plastic beakers
- adhesive tape or other transparent tape
- knives (4 items)
- mugs or glasses (4 items)
- paper, white (A4)
- candles or lamps (2 items)
- cooking oil or grease (a few drops)
- steel or zinc nail
- copper coins (20 – 30 items)
- lemon, fresh (2 items)
- miniature light bulb (<https://www.conrad.de/de/ultra-micro-gluehlaempchen-155-v-barthelme-inhalt-1-st-1428995.html>)
- sheet of cardboard (A5 or larger)
- silver or copper wire (20 cm)
- soldering iron (if available, but experiment can also be done without one)
- adhesive tape or other transparent
- foil, high reflective (e.g. arts/craft shop)
- mobile phone with flash
- chopping board
- tomato, red
- pepper, green
- transparent sheets, red and green (1x1 cm)
- sheet of paper, white or piece of cardboard, white
- pin to make a hole
- PET bottle
- matches
- candle
- table edge
- books with same weight, same thickness, same size (6-8 items)
- paper handkerchief
- water
- transparent bowl
- CD cover
- glass of water
- tap water
- sparkling water
- ice cubes
- matches
- salt shaker
- shallow plate
- bowl of water or shallow plate
- matches
- sugar cubes
- washing-up liquid
- glas bottle
- wine glass
- water
- straw
- bowl of water
- scissors
- piece of transparent plastic (10x10 cm)
- washing-up liquid or liquid soap
- drinking straws, flexible
- bubble solution
- adhesive tape or other transparent tape
- cotton reel
- string
- weight, large (e.g. 3 cm diameter wooden ball with hole)
- weight, small (e.g. 1 cm diameter wooden ball with hole)
- glas bottle, empty (mineral water, ...)
- scrap of paper
- small piece of paper