

Here Comes The Sun-Powered Energy!

Guy Raz: Buy the sky and sell the sky and lift your arms up to the sky and ask the sky and ask the sky don't faaaall on meeeee....faaaalll on meee...faaaalll on meeee

<<loud knock knock knock>>

Guy Raz: Huh? Who could that possibly be at 7 in the morning....

<<knock, knock, knock, knock!!>>

Guy Raz: Hold on!! I'm coming, sheesh, you'd think a person would have patience. Especially at this hour..

<<walks to the door>>

Guy Raz: Um...who is it?

Delivery Man: Delivery from earth's giant lung dot com!

Guy Raz: Huh? For me? That can't be right. I always buy my stuff from local shops. I mean... earth's giant lung dot com just tempts people to buy stuff they don't need.

<<opens door>>

Guy Raz: Uh...good morning...

Delivery Man: Good morning, I've got some packages here. Direct from earth's giant lung dot com

<<starts to unload package after package after package>>

Guy Raz: Woooahh! Woah woah! wait a minute, you've got like 150 packages behind you!! Are you sure they're for me?

Delivery Man: Yup...says here right on the package....guy razy...next door to the gingerbread mansion...

Guy Raz: Lemme see that...wait a minute...these packages are addressed to mindy! Not Guy Raz!!!

Delivery Man: Mindy? Oh, you mean her?

Mindy (shouting from a distance): Just unload them over there...<<sound of truck backing up>> Yeah! Right there! Exactly!

<<dump of tons of boxes>>

Guy Raz (to himself): Mindy? What is she?...

Mindy (shouting): That's right...over there! yup...keep em coming

<<sound of boxes being dumped...>>

Guy Raz: Mindy! What is going on??

Mindy: Oh hey Guy Raz! How's the fermented cabbage coming along?

Guy Raz: Well it's uh...

Mindy: Yup! that's right...keep `em coming...

Guy Raz: Mindy, what is going on??

Mindy: Oh...just dealing with a small delivery from earth's giant lung dot com...

Guy Raz: A small delivery? there's like...150 boxes coming off that truck!!

Mindy: Actually...to be precise Guy Raz, 192 boxes...

Guy Raz: 192 boxes? And anyway...why are half of them being delivered to my house??

Mindy: Oh...well...yeah...earth's giant lung dot com has a limit of how many boxes they deliver to a single address so, I put yours down too. Hope you don't mind.

Guy Raz: Mindy? What have you ordered? I mean I know you've got a food truck and all...but I mean...this can't all be cricket powder for your bbq truck?

Mindy (laughing): Of course it's not cricket powder, Guy Raz! Why would I need so much cricket powder??

Guy Raz: Well...then...what could you have possibly ordered?

Mindy: Oh well, I was just minding my beeswax when my zoodle told me its cyber funday!

Guy Raz: Cyber funday? What are you talking about?

Mindy: Oh! That's the day when earth's giant lung dot com has deals on everything you could ever want...toys, glitter bombs, unicorns, cheesy bake ovens, keychains, novelty gifts, inspirational decorative plates...see? this one says "love, laugh, live..."

Dennis: 400 fidget spinners! They were overstock from 2017! I will never be restless again! haha! weee! I'm bored.

Guy Raz: Mindy...i...i ...i don't understand...are you sure you need all this stuff?

Mindy: Well, of course I don't need it! ...it was all on sale! I used the money I made from those energy bars me and Reggie sold to his paleo pigeon friends...and man oh man...we made a fortune! I walked away from that business venture with a thousand dollars!

Guy Raz: Wait...wait...hold on hold on...you're telling me you made a thousand dollars in profit from selling birdseed paleo energy bars and you decided to spend it on a bunch of...a bunch of...junk????

Mindy: Well as you always say, one bird's trash is another bird's treasure?

Guy Raz: Wait...what? I don't say that!

Mindy: sure you do...remember when me and Reggie helped you fish out all those old plastic bottles and aluminium cans from trash cans a few weeks ago?

<<flashback>>

Guy Raz: hey mindy! hey reggie.....can you give me a hand here? I'm going through the neighbor's trash and they're not recycling anything! I mean...we need to fish all these bottles and cans out of this trash bin!

Mindy: trash bins...eeewwww...guy raz...you wanna dig through trash?

Guy Raz: Well...as I always say...one bird's trash is another bird's treasure!!!

<<end of flashback>>

Mindy: See? Now do you remember?

Guy Raz: No! No! No! Mindy! I was talking about trash that could actually be recycled and turned into something new! Because all that trash gets dumped in a giant trash dump or landfill...and well...that's not good for our environment...

Mindy: Ohhh, I see. So when you were talking about trash turning into treasure...you meant...recycling?

Guy Raz: Yes!

Mindy: Oh....

Guy Raz: And judging by these 190 boxes...

Mindy: Actually 192 boxes...

Guy Raz: Judging by those 192 boxes...you've actually generated more trash!!!

Mindy: Trash?

Dennis: You know what they say guy. One person's trash is another person's toilet paper dispenser that plays Christmas songs.

Mindy: <<pulls out something from a box that's jangly>> You're calling my wifi-enabled, bluetooth-ready egg beater earrings trash???

Guy Raz: Well...yes. I mean no. I mean. Yes! Look at all the plastic and cardboard out here! all these things you've ordered are packed in stuff that's gonna go in the trash!

Mindy: Well...we could just recycle it...

Guy Raz: Well Mindy, unfortunately that's not gonna solve the problem!!

Mindy: Well, what do you mean?

Guy Raz: Haven't you heard?

Mindy: About what?

Guy Raz: Well...for the past few decades...a lot of our recycling...things like paper and plastic and glass...has actually been shipped off to China to get recycled...

Mindy: Thank you China!

Guy Raz: Except over the past year, China has told the world that it can't take all of our junk anymore!

Mindy: Well why not?

Guy Raz: Because we humans have generated too much of it...and recycling all of it has become too difficult!

Mindy: So what does that mean?

Guy Raz: it means that many cities in America and even in other countries have stopped recycling!

Mindy: Like Dennis?

Dennis: Oh mindy, I didn't stop recycling. I never started.

Mindy: Well, what are they doing with all this cardboard and plastic?

Guy Raz: Well...a lot of it is being incinerated...or burned...

Mindy: Sounds like a good solution to me...

Guy Raz: Well unfortunately...it's not...because everytime you burn this stuff...it creates pollution in our air...pollution that makes our air dirty...and it isn't good for us!

Mindy: Well...what can we do about it?

Guy Raz: The first thing we can do is not buy so much stuff.

Mindy: Well, how is that gonna help?

Guy Raz: Because everytime we buy something...it means that energy had to be used to make it and energy...or most of the energy we humans currently use creates carbon dioxide...

Mindy: You mean the same carbon dioxide that is making our planet hotter?

Guy Raz: Exactly! And most of the factories that make the stuff we buy have to use fossil fuels to create or generate that energy!

Mindy: Fossil fuels? You mean like dinosaur bones? like those kinds of fossils?

Guy Raz: Well..yeah...I mean. Hey, I have an idea...

Mindy: Nn idea? I love ideas!!!

Guy Raz: What's the status of the wow machine these days?

Mindy: Oh well except for the maple syrup on the walls and the pigeon feathers stuck to the control panel from Reggie's taekwondo tournament he had in it last week...I'd say it's perfect!

Guy Raz: Uhhhh...

Mindy: Why? Wanna take her for a little spin?

Guy Raz: We could go back in time to find out how fossil fuels were created...

Mindy: OK, I'll meet you at the wow machine in a minute...just gotta get my ergonomic pillow out of this box here <<opens box>> uhhhh...eehhh..uuuh...got it!

Guy Raz: Well while you're getting ready. I'm just uh gonna head over to your garage ok?

Mindy: Sounds Guy Razeat! see you faster than you can say big yellow taxi!

Guy Raz: big yellow tax...

Mindy: <<shouting>> I can't hear you through these new quake headphones i ordered from earth's giant lung dot com!!! Can you hold them for me???

Guy Raz: uhhhhhhh...just hurry up ok???

<<sound of walking to garage>>

Guy Raz: Well...while I'm waiting, I guess I'll just try on these quake headphones. I wonder what Mindy's been listening to on her polka dot playlist?

Guy Raz: huh...i love this song!!!

oh mercy, mercy me
oh things ain't what they used to be nooo...
radiation under Guy Razound....

Mindy? So what do you think? pretty Guy Razeat sound huh? i mean talk about high fidelity!!!!

Guy Raz: well...yeah...they are pretty Guy Razeat...i have to admit...

Mindy: Anywho...where exactly are we going anyway?

Guy Raz: Well, I suppose if we wanna see the origins of fossil fuels...we need to go back to the carboniferous period....

Mindy: The carboniferous period? you mean...the geologic age that started more than 350 million years ago?

Guy Raz: That's the one! Can you set the dial?

Mindy: let's see here....300 and fifty million years ago....let me just punch in the numbers...any specific location?

Guy Raz: let's see if we can go to north america...to right where we are right now!

Mindy: ok...north america. carboniferous period...and.....

Mindy + Guy Raz: here. we. gooooooooooooo

<<music of time machine>>

Mindy + Guy Raz: aaaaaaaaaahhhhhhhhhhhhhhhhhhh

<<crash landing>>

Guy Raz: ugh...guh...my tummy...uhhh

Mindy: I think I'm gonna....<<sound of puke>>

Guy Raz: ugh...mindy...you really should consider eating whole Guy Razains for breakfast....

Mindy: phew...feeling much better now....

Guy Raz: alright...let's get this hatch open...

<<open hatch>>

Mindy: woah.... look at all these plants! man! this sure beats my aunt mojo's collection of indoor ferns!

Guy Raz: Mindy! This is what our planet earth looked like 350 million years ago...

Mindy: Well, I guess it's good for us that dinosaurs aren't gonna come around for at least 100 million years. So...should we...take a walk?

Guy Raz: Sure! lemme just get my mud boots on... hang on... uuuhhh.. eeeeh... uhuhhh... ah. got em! ok. I'm ready!....indy? Mindy?

Mindy: (shouting) I'm out here guy raz! trying to find some of those fossil fuels you were talking about!

Guy Raz: Wait up.... I just need to climb out of the time machine (exerts force...)

Guy Raz: Wow! It really is beautiful out here...

Mindy: So, all these plants are gonna turn into fuel that we humans will eventually use one day to power our factories and cars and airplanes and the lights in our homes?

Guy Raz: yup! over the next several hundreds of millions of years...all these plants will get covered by layers of soil and rock...

Mindy: which means the plants will get pushed and pushed under all that weight and pressure!

Guy Raz: exactly! and with all that pressure from millions of years of more rocks and soil covering the plants...well...

Mindy: Well eventually those plants will turn into a mushy goo!

Guy Raz: Exactly...some of that goo will become petroleum or oil...

Mindy: And some of it will turn into coal and gas!

Guy Raz: Hey Mindy, do you still have that fast-forward wand in your toolbag?

Mindy: Fast forward wand...fast forward wand...hmmm...lemme...rummage through my tool bag....let's see here...battery-operated marshmallow rotator...nope! ummm...i've got your cat alice here <<meow!>>nope...

Guy Raz: Alice?

Mindy: Um...ok...i've a george foreman Guy Razill...no...ah! here it is the fast-forward wand...looks a little rusty... huh... and wet!

Guy Raz: And it's covered in...uck...salsa!

Mindy: Oh yeah...I poured some salsa in my toolbag last week in case I came across some chips...

Guy Raz: Mindy!

Mindy: but...the good news is...seems like the fast-forward wand still works...let me fire this baby up...

<<sound of fast-forward wand turning on>>

Guy Raz: Woah! That thing is glowing!

Mindy: Stand back guy raz...cause it's time to make the world around us speed up 1 million times faster...fast-forward wand...activate!!!

<<activates wand>>

Guy Raz: Whoa...everything around us is speeding up! look!!

Mindy: Yeah! All these plants are getting buried by layers of rocks and soil...and check it out!!

Guy Raz: some of it is turning into coal...and some of it is turning into petroleum...and look over there...those plants are turning into natural gas!

Mindy: I think we are witnessing anaerobic decomposition!

Guy Raz: Which is a scientific term for..well...natural materials being broken down into new material!

Mindy: We are literally watching fossils being turned into fuel!

Guy Raz: And in 350 million years from now...humans will discover this fuel underGuy Razound! fuel that will be used to power our cars and airplanes and factories and even the lights we use in our homes!

Mindy: Okay, time to hit the stop button on this fast-forward wand!

<<zap!!>>

Guy Raz: woah! mindy...it looks like your fast forward wand brought us back to the 1800s...when humans started to dig this stuff out of the Guy Razound...

Mindy: and look! over there....it looks like there's a giant oil well just over there!

<<sound of oil well>>

Guy Raz: Yeah...it looks like a huge slow-motion hammer going up and down and up and down...

Mindy: And when that hammer moves back and forth, it sucks up oil from deep down in the ground and brings it to the surface!

Guy Raz: Well...let's go check it out and see if we can take a sample of some of that oil and I'll show you! c'mon...

<walking crunching sounds...>>

Mindy: man...it's so black and goeey...i wonder how it would taste on pancakes...

Guy Raz: uh...well...i wouldn't....

Mindy: But how would we humans turn this into energy?

Guy Raz: Well...once this oil is refined...or cleaned up a bit...it turns into material that is very easy to burn...

Mindy: And once it burns...it gets really hot!

Guy Raz: And all that heat is used to generate or create steam that makes a giant wheel or turbine go around and around in a power plant...

Mindy: Like the power plant in our town! the one with the big smoke stack!

Guy Raz: That's exactly right!

Mindy: And when that turbine goes round and around...it makes electricity!

Guy Raz: Which is why we can have lights on in the house...and tvs plugged into the walls! and factories that can make all that stuff you ordered from earth's giant lung dot com!

Mindy: But...it also means that we're burning these fuels...

Guy Raz: And when we burn stuff...

Mindy: It creates carbon dioxide!

Guy Raz: That's right...the same carbon dioxide that is making our planet hotter!

Mindy: Oh man...no more winter??

Guy Raz: Well...it's a little more complicated because it also means that as our planet gets warmer...our weather gets a little crazier!

Mindy: Like in some places on the planet...too much rain! and in other places...no rain at all!

Guy Raz: Exactly...this is what people mean when they talk about climate change...

Mindy: Oh man...i've noticed that we've been getting crazy storms in the past few years...

Guy Raz: And mindy...unless we humans start to work on this problem soon...we could get even crazier storms!!

Mindy: Well...what can we do to help out?

Guy Raz: I'm glad you asked! Let's head back to the wow machine and I'll show you something I just installed in my house!

Mindy: Ok...lemme just climb in here...

Guy Raz: Wait for me mindy...let me pull myself in <<exerts force>> ok...i'm in..

Mindy: Ok...let's get back to the present-day...let me just type in our coordinates and here...we...gooooooooo

Guy Raz: Goooooooooooooooo

<<clunk>>

Guy Raz: Uh.... It gets me every time....

Mindy: So, what's that cool thing you wanted to show me?

Guy Raz: Oh yeah! It's on my roof, I put in this special safety ladder to help us climb up, c'mon!

<<sounds of shimmying up the ladder>>

Mindy: Woah! Are these solar panels?

Guy Raz: Not just that...look over there mindy!

Mindy: Wow! Is that a wind turbine?

Guy Raz: Yup! Just had `em set up a few days ago...all the energy i'll ever need right here! using the good old-fashioned power of wind and the sun!

Mindy: And the best part about it is that these are renewable sources of energy!

Guy Raz: Exactly, you don't need to burn anything to get electricity from the sun and the wind because they are always here!

Mindy: So that means that energy that's generated from wind and the sun are clean!

Guy Raz: And more and more countries around the world are trying to use sun-powered solar energy and wind-powered wind energy!

Mindy: And if we all start using it...we could stop putting all that carbon dioxide into the atmosphere..

Dennis: Wow! That's so cool! Can I ride it?

Guy Raz: And hopefully...we can slow down our planet getting too hot...

Mindy: Man oh man! That reminds me of a story I read in the newspaper about a 16-year-old kid named Guy Razeta Thunberg!

Guy Raz: Guy Razeta Thunberg?

Mindy: Yeah, she's a student in Sweden who is trying to get kids around the world to tell their Guy Razown ups to stop using all those old fossil fuels...

Guy Raz: Go on...

Mindy: And a few weeks ago, kids around the world marched through their cities and towns holding signs and making noise...demanding that our grown-ups listen to us!

Guy Raz: Because all the kids in the world today will have to work extra hard to clean up the mess left behind by all the grown-ups who've been using all this fossil fuel energy for the last 200 years!!

Mindy: Exactoritos...and if we start making different choices about the way we live...well...we can make a pretty big difference!

Guy Raz: Starting with a few simple decisions...

Mindy: Yeah...like what?

Guy Raz: Well, for starters, we should try to buy as much food as we can in its natural state...

Mindy: Like individually-wrapped bags of pre-sliced grape-flavored apple slices?

Guy Raz: Well...uh...no...actually...we should try to just buy apples...and slice 'em ourselves...or fresh vegetables and fruits instead of buying stuff that's packaged in plastic bags and cardboard...

Mindy: Well what else?

Guy Raz: Well...you could start by cutting down on all the stuff you order from earth's giant lung dot com...I mean...do you really need a solar-powered marshmallow turner?

Mindy: Well, is it solar powered?

Guy Raz: Yeah...i guess that's true but the factory that made that marshmallow turner had to burn fossil fuels to make it...and then it had to burn more fossil fuels to send it on a ship and then a truck to get to your house! so...

Mindy: So if I wanted to try and do my part...i could focus on buying only the things that I truly need!

Guy Raz: Exactly! And instead of all those packets of ketchup and soy sauce we use...we should politely ask restaurants to offer a single dispenser for everyone to use...and instead of those disposable coffee cups we get from herman melville's house of coffee...we could buy a reusable coffee cup...and use it again and again...

Mindy: Hmm...well...i guess i'll have to figure out what to do with all those cardboard boxes i got from earth's giant lung dot com!

Guy Raz: Well besides ordering so much stuff from now on?

Mindy: For sure, Guy Raz, but in the meantime... Reggie!!!!

Reggie: Coo

Mindy: Hey, Reg! I've a bunch of cardboard here...and i was wondering if you might be interested in a brand new shredded cardboard nest?

Reggie: Coo!

Mindy: Oh you are? Perfect! Guy Raz here will just shred all these boxes with these scissors and ...

Guy Raz: Huh?

Mindy: Soon enough...you'll have a cosy, comfy brand new, state-of-the-art, earth-friendly recycled cardboard nest...

Reggie: Coo...

Mindy: C'mon Guy Raz! Let's start shredding for the planet!

Guy Raz: Uh...what have I gotten myself into.....